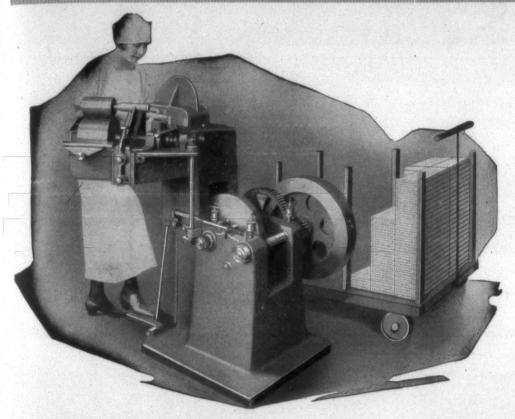
SOUTHERN ULLET TILE BI

VOLUME XXI.

CHARLOTTE, N. C., THURSDAY, MAY 19, 1921



Operate Your Own **Box Factory** at our Expense

Here's a new machine that will enable hosiery and underwear manufacturers to be independent of the box maker. A simple. efficient machine that is revolutionizing the manufacture of textile containers just as the nailing machine did for the wooden box. Does away with excessive freight

Reduce the Cost of Your Cartons 35%

That's what the new Andrews Automatic Box-making Machine will save you. We put it in at our expense and furnish you at low cost the knock-down blanks ready for the machine to assemble. Blanks can be stored in small space and assembled as needed.

bills on the old style set-up boxes. Eliminates waste of faded and damaged boxes. Saves the space now devoted to storage of stiff board boxes. Economically solves the packing problem. Instantly converts a box blank into a durable, attractive carton the exact size and shape required. No mechanical troubles—needs no attention.

Big Capacity—1500 Cartons Daily

One girl, after three days instruction on this machine, can assemble 1500 complete hosiery or underwear cartons every working day. Boxes need no labeling—we print the style, lot number, size and trade-mark on the blanks before they leave our factory. This feature alone means a big saving in your packing cost.

Andrews Solid and Corrugated Fibre Containers

The ideal containers for 30 to 60 dozen shipments. Light, durable and cheaper than wood. Made of a tough, resilient material that absorbs the shocks and defies rough handling. They reduce damage claims to the lowest possible level and eliminate tampering with shipments. Impossible to open them without mutilating beyond repair. Wooden cases also in any style, size or shape. We specialize on wooden cases for export.

Further details on request Get in on the ground floor—get in before your competitor does—the 35% saving provided by the new Andrews Box-making Machine may as well be yours. A letter mailed today will bring you the facts tomorrow.



BOX 303 T Chattanooga, Tenn.

DIVISION SALES OFFICES IN THE PRIN CIPAL CITIES OF THE UNITED STATES

The Textile Mill Supply Co.

CHARLOTTE, N. C.

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Graton & Knight U.S. Bobbin & Shuttle Co.

Bobbins and Shuttles

Card Clothing

Reeds

DODGE

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WYANDOTTE

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We carry a complete stock and can make immediate shipment.

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Eather Olds

THE FIBRE MILL EQUIPMENT THAT LASTS

Not how Cheapbut how Lasting

THERE are cheaper kinds of mill equipment than Leatheroid, of course. But cheaper in first cost only—not economical in the end.

It isn't how much you pay for a roving can, box or car that counts—it's how often you pay for them.

Leatheroid Fibre Mill Equipment has made a reputation for

itself on good service and good appearance — cleanness and smoothness - light weight and great strength.

Try a few Leatheroid cans, cars or boxes in your mill. Notice how everybody likes them, and the remarkable service they give.

Sold by Leading Southern Mill Supply Houses.

ROGERS FIBRE COMPANY

Leatheroid Sales Division - 1024 Filbert Street, Philadelphia

New York - Boston - Kennebunk, Me.

Leatheroid Mill Box.
The standard box for
mills and factories. Unusually strong; careful
construction throughout; steel-over-wood
top rim, protecting corner angles; made in 1, 2,
3, 4, and 5 bushel sizes.

Leatheroid Roving Can. Smooth as glass—tough as horn; no seams to open up; rolled over top.

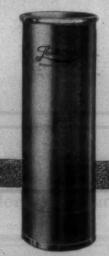
Combination Doffing Car. Has Fixed and Loose Box; all fibre boxes or steel and fibre boxes. Extra steel reenforcing at all wear points; platform has 1st steel frame; self-oiling wheels.

Leatheroid Warehous, Car. Made of heavy fibre with steel over-wood top rim. Patented ribbed steel bottom band—the only construction in which the body of the car is actually riveted to the wood bottom at the four corners; self-oiling wheels.





Leatheroid Steel Clad Car. Four inside smooth walls of heavy Leatheroid fibre; outside covered with light steel closely riveted; teel - over - wood top rim; self-oiling wheels



Textile Mill Floors Scrubbing Powder

Vi Cleanser---

The Perfected, Non - Soluable,

Cleaning, Polishing Cleansor, Deodorizing, Scouring and Scrubbing Powder. "SIX IN ONE."

Manufactured Expressly for Textile Mill Floors—Good as the best then some

RECOMMENDATIONS

The following GOOD MILLS don't hesitate to recommend and openly praise MI CLEANSER for their requirements and needs

(Read MI CLEANSER Folder)

(Read MI CLEANSER Folder)

Wiscassett Mills Company, Albemarle, N. C.
Pelzer Manufacturing Co., Pelzer, S. C.
Clinchfield Mfgr. Company, Marion, N. C.
Monarch Mills, (Lockhart Plant), Lockhart, S. C.
F. W. Poe Manufacturing Co., Greenville, S. C.
Grendel Mills, Nos. 1 and 2, Greenwood, S. C.
Consolidated Textile Corporation, (Lynchburg Division),
Lynchburg, Virginia.
Thacker Spinning Company, Chattanooga, Tenn.
Glenwood Cotton Mills, Easley, S. C.
The Augusta Factory, Augusta, Georgia.
Avondale Mills, Birmingham, Alabama.
Standard Knitting Mills, Knoxville, Tenn.
Newnan Cotton Mills, Newnan, Georgia.
The Trion Company, Trion, Georgia.
Woodruff Cotton Mills, Woodruff, S. C.
Equinox Mills, Anderson, S. C.
Gibson Manufacturing Company, Concord, N. C.
Baldwin Cotton Mills, Chester, S. C.
Cowikee Mill, Eufaula, Alabama.
Asheville Cotton Mills, Sylacauga, Alabama.
Alabama Cotton Mills, Speigner, Alabama.
Adrian Manufacturing Company, Mount Holly, N. C.
Cetral Mills, Sylacauga, Alabama.
Jackson Mills, Sylacauga, Alabama.
Jackson Mills, Sylacauga, Alabama.
Jackson Mills, Sylacauga, Alabama.
Paola Cotton Mills, Sylacauga, Magnolia, Miss.
Elk Cotton Mills, Dalton, Georgia.
Eatonton Cotton Mills, Eatonton, Ga.

DON'T WAIT for our traveling salesmen—

DON'T WAIT for our traveling salesmenwe have none. You are saved this annoyance ,expense, loss of time, etc., but you reap the benefit in price when you buy Mi Clean-

If MI CLEANSER pleases you, tell your friends, if not, tell us and we will tell you the

Our business so far this year has equaled the first six months of last year. There is a rea-

Your Mill Supply House will furnish you Mi Cleanser, or order direct from the factory.

Made in America, and in "The Sunny South" Established 1915

Manufactured Only By

Champion Chemical Co.

Box 22, Glenrock Station

ASHEVILLE, N. C., U. S. A.

CHARLIE NICHOLS, General Manager



Trade Mark Reg. U.S. Pat. Office

"Cleanliness is next to Godliness'

Clean your floors twice each week for your health's sake. Mi Cleanser makes them sanitary and healthful.



Charlie Nichols

THE BASE OF MI CLEANSER is a Mineral Product, mined from the earth. The Chemicals used contain no acids, Alkali, Potash, Animal Fats or Greases, therefore MI CLEANER has no eating power, but as to Softening Power, has no equal. Absolutely does not leave a Scum, Slick or Slippery Surface.

DIRECTIONS-Important, but very simple. MI CLEANSER is Non-Soluble. Don't throw into the water. It must be applied to article being cleaned.

For Tiling, Marble, Concrete, Wooden and all other Floors, or any flat surface, dust MI CLEANSER on freely, dry, then scrub with medium wet mop, brush or broom, until desired effect is obtained, then rinse thoroughly. For all elevated surfaces, sift MI CLEANSER on damp cloth or brush and apply, then rinse as usual.

If these Instructions are adhered to strictly, we shall have no doubt of the results obtained.

MI CLEANSER is Manufactured expressly for Textile Mill Floors, but aside from this, MI CLEANSER is UNEXCELLED for CLEANING and POLISHING. your windows, toilets, bath tubs, brass and nickelplated fixtures, oil and rust from Machinery, or ANY-THING you have to clean. Your Hospitals, Schools, Churches, Y. M. C. A. Auditoriums, Club Rooms, Community Houses, Nurseries, Shower Baths, Swimming Pools, Private Houses and etc.

MI CLEANSER is Absolutely Harmless to the Skin, so don't be afraid to get it on your hands while cleaning, as it is a Great Hand Wash, takes off all Oil, Dirt and Greases. Leaves them smooth as vel-

Satisfaction Guaranteed or no charge.

WE CAN BE NO FAIRER

The Merits of MI CLEANSER is no longer a question, but is absolutely the achievement of all that is great and good, to perfect a Scrubbing Powder, that has no equal.

Good Mills leave us sometimes, but invariably come back, stating that Your MI CLEANSER is the best ever. Can there be more convincing evidence. Try MI CLEANSER once, and you will get pleasing results.

"Back to 'Normalcy"

While the only "normalcy" we know is to go forward, at the same time if you want a pre-war record on cloth production, percentage of seconds, and at low weaving cost, here is a record MADE WITH "DUPLEX" STEEL LOOM HARNESS:

Total number of Looms	
Total number of days operated 308.1	
Actual number of hours operated 3,290	
Total number of yards produced 5,802,178	
Actual percentage for 3,290 hours 94.47%	
Percentage of seconds on total yards 3.58%	
Kind of goods made, 4.00 yard "eighty square" Print Cloth.	

Note—The same "DUPLEX" loom harness on which the above record was made in 1915 at the Aragon Cotton Mills, Rock Hill, S. C. is still approximating this record after seven years constant running.

Steel Heddle Mfg. Co.

Greenville

Philadelphia

Providence

Southern Office, 111 Washington St., GREENVILLE, S. C. HAMPTON SMITH, Southern Manager

N.B.—We are the sole manufacturers of Nickel-Plated drop wires for every kind of loom

SACO-LOWELL SHOPS

BUILDERS OF

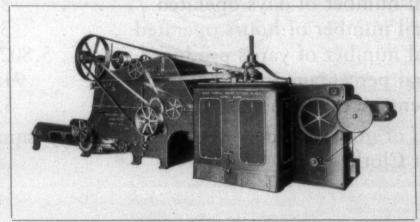
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Thorough Opening and Mixing of the Cotton is Essential if a High Class Product is to be Manufactured.

Your Attention is Invited to our Complete Equipment for

Opening, Conveying and Distributing Baled Cotton

Vertical Openers
with
Bale Breakers
Attached.
Equipped With
Feed Aprons and
Feed Regulators



Vertical Opener Combination

Condensers and
Monogram Fans
Also Automatic
and
Bin Distributors
and
Conveying Pipe

Waste Reclaiming Machinery

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Saco-Lowell Card Stripper

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ROGERS W. DAVIS, Southern Agent, CHARLOTTE, N. C.

Southern Branch Office: GREENVILLE, S. C.



When You're Up Against It for Oil

Of course, few oil buyers wait until their oil is all or nearly gone before they order more.

But once in a while you do get up against it where you MUST have prompt delivery.

In such instances you can rely on The Texas Company. The Texas Company has adequate facilities for speedy delivery in any quantity to any purchaser, any time, anywhere.

We maintain District Offices at most prominent industrial and rail centers. Over 600 of the Company's stations for delivery of lubricants and other products are scattered throughout the country.

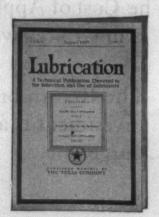
In addition to this, we maintain over 600 warehouses, hundreds o fstorage tanks, huge fleets of auto trucks, and over 5,000 tank cars.

Texaco Service means the right oil for the right place at the time you need it.

Within our delivery radius from all of these stations, we can assure our customers against vexatious freight delays.

Whether you mail, wire or 'phone your orders, we execute them with a "zip."

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In this magazine we print month after month, articles covering the problems of lubrication as applied to various industries. These articles are not theoretical, but based on practical operating experience.

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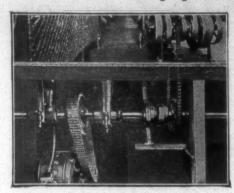
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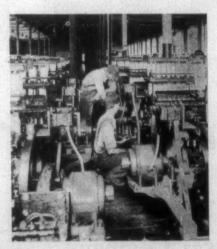
Some Applications to Textile Machinery



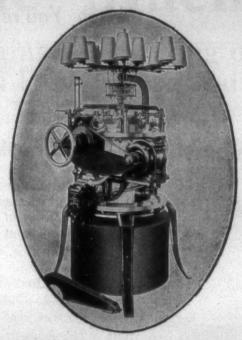
Motor and Line Shaft Beneath Floor. Drive

INCREASED PRODUCTION

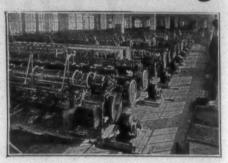
Better Manufactured Product Better Working Conditions



Changing Over to Chain Drive



Individual Motor Drive to Knitting Machine



Drive from Motor to Full Fashion Hosiery Machines

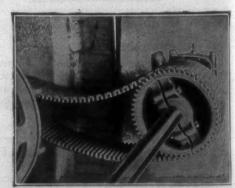
The Cost of Application is not Excessive.

The Return on the Investment is a Large one.

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Service and Results are Remembered Long After The Price is Forgotten



Typical Line Shaft Drive

Let us have your problem. You will be in no way obligated. BENEFIT BY MORSE SERVICE AS OTHERS DO

Write Today for Technical Textile Booklet.

MORSE CHAIN CO.

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Bidg. Toronto, Traders' Bank Building.

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Bleaching Machines Drying Machines Singeing Machines Mercerizing Ranges Hydraulic Presses Dyeing Machines Soaping Machines Tentering Machines

Mangles (all kinds) Calenders (all kinds) Color Kettles Cell Dryers

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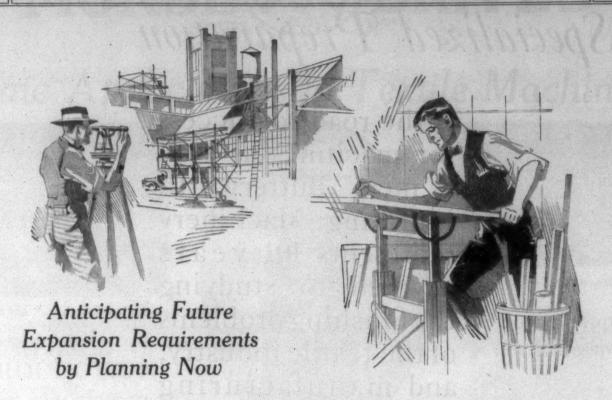
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PROVIDENCE OFFICE Turk's Head Building Canadian Representative W. J. WESTAWAY CO. Hamilton, Ontario, Canada



THE FUNCTIONS OF THE ENGINEER



It is evident that the buying tide has turned in many industries and, while it is far from the high point to which it must return, the time is ripe for the manufacturer to lay his plans for future growth.

By starting his Engineer now, his plans can be matured carefully and thoroughly. Then when the time has arrived for alterations, improvements or additions to his mill, factory or plant, everything will be ready for quick action.

This development of plans by his Engineer will give him a distinct advantage over competition when the growing market calls for expansion.

The longer in advance plans are made, the more careful thought and study the manufacturer and his Engineer can devote to the problems that will confront him in the next few years.

Anticipating the future needs of industry is part of the task of the Engineer.

These phases of Engineering as affecting the Textile Industry are discussed in "Picks to the Minute."

Write for your copy.



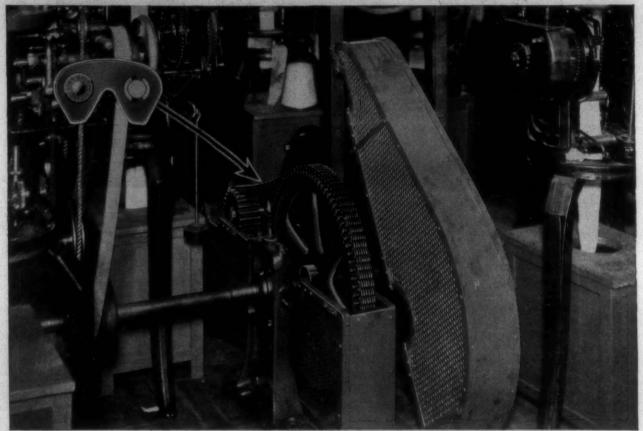
J. E. SIRRINE & COMPANY

Engineers

GREENVILLE SOUTH CAROLINA

FARM BUREAU BLDG. DALLAS, TEXAS

LINK-BELT Silent Chain Drives



Link-Belt Silent Chain Drive to knitting machine lineshaft, Phoenix Knitting Works, Milwaukee, Wis.

"I am an enthusiastic advocate of the Link-Belt Silent Chain Drive. Having seen it effect a tremendous production economy here in our own plant. I have been in a position to form conclusions, based solely upon results obtained".—Charles Bindrich, Phoenix Knitting Works, Milwaukee, Wisconsin.

Mr. Bindrich further states: "I cannot recall a single troublesome moment during our three years of Silent Chain experience. These drives are just as positive in constant service rendered as in power delivered to our machines. Production losses due to belt breakage having been

completely eliminated".

We venture that you too would be as enthusiastic over the results obtained from the use of Link-Belt Silent Chain Drives, if you employed them in your mill. Let us install one drive, and then watch for results. Send for booklet No. 425.

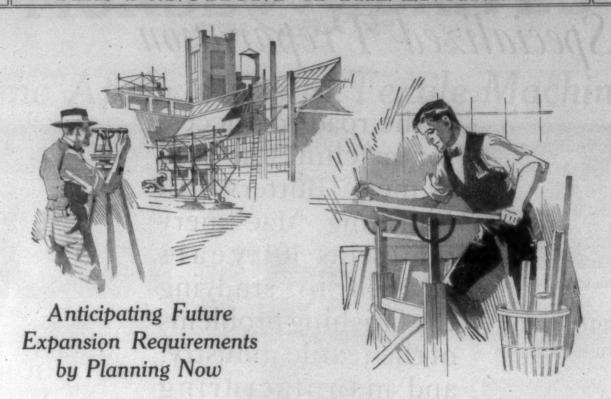
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THE FUNCTIONS OF THE ENGINEER



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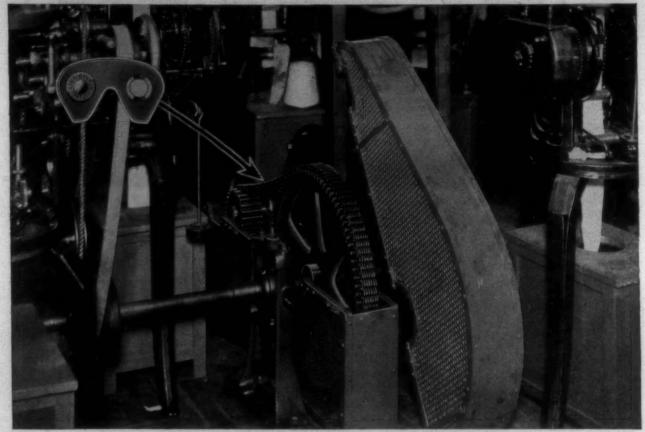


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Boston 9

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Boston 9

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Boston 9

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Hondows 2

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Boston 9

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Boston 1

Bost



Paint Them Out!

A good White Paint on the walls and ceilings of your mill will help to defeat the five "enemies of profit" listed above.

The elimination of any one of the five would more than pay for the cost of painting. The reduction of all of them effected by painting results in a much greater saving. A good white paint such as



means more light—accuracy—better and more work—less accidents—no eyestrain—and more profits.

It intensifies every available ray of daylight in your shop and puts it to work speeding up production—for the better a man sees, the better he works. And superintendents of factories we have made bright, tell us that all their workers are better satisfied—stick to their jobs. Manufacturers must depend more and more on women workers. They will not work in dingy rooms, but flock to factories modernized and bright with CHAFFEE'S MILL WHITE.

Write today for Paint Panel and Descriptive Booklet

Thomas K. Chaffee Co., Providence, R. I.

SOUTHERN EXTILE BULLETI

PUBLISHED EVERY THURSDAY BY CLARK PUBLISHING COMPANY, 39-41 S. CHURCH ST., CHARLOTTE, N. C. SUBSCRIPTION \$2.00 PER YEAR ADVANCE. ENTERED AS SECOND CLASS MAIL MATTER MARCH 2 1911, AT POSTOFFICE, CHARLOTTE, N. C., UNDER ACT OF CONGRESS, MAR. 3. 187

VOLUME XXI

CHARLOTTE, N. C., THURSDAY, MAY 19, 1921

NUMBER 12

Address of President H. H. Boyd

Ladies and Members of the Southrn Textile Association:

The past few years have been trying times for all the people of the world and the textile industry has had its full share of troubles

When our boys were returning from the world war, there came a great demand for textiles and when we tried to meet that demand and as everybody tried to get a part of the profits, we did all kinds of things to attract labor to our mills so that we might keep the wheels of production going.

The result was constantly increasing costs and constantly increasing prices, as in every other business, until the public finally refused to pay the advanced prices and entered upon a buyers' strike that caused a collapse of high prices and we have been suffering severely because the buyers since then strike is still on.

The buyers claim that the retailers have not reduced prices to any extent and until substantial reductions are made by the retail mer-chants we can not expect the pubto resume their normal rate of purchasing.

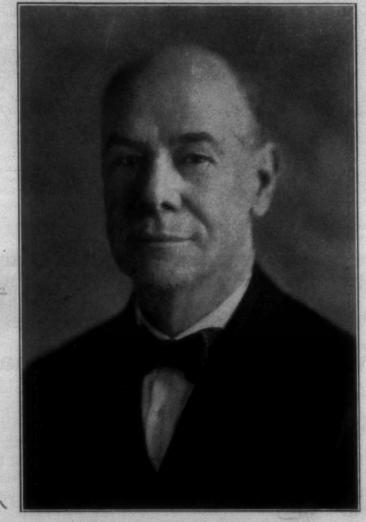
The decline in the prices that can be secured by the mills for their products have been abnormal and in order to meet present conditions the mills have been forced to make substantial reductions in wages. Fortunately the operatives have realized the change in conditions and have almost without exception accepted the reductions without mplaint.

We regret to state, however, that has not been harmony during the past few years. We do not seem to ave the men and women, boys and orls whistling and singing at their ork as they once did, nor competto do more or better work.

There is evidently something rong for the pleasure seems to we been taken out of work.

I have nothing to say against welre work, in fact, commend it, but does not seem to have produced harmony and co-operation that e expected.

We have the best equipped cotton fills in the world. We have the often and the climate and the great advantage of an English speaking



H. H. BOYD, Retiring President

not advance to the place where it is problems among themselves. possible to manufacture the finest textures that it is possible to produce from cotton

One of the greatest factors in our progress towards that end will be the Southern Textile Association, which was organized among the superintendents, overseers and master mechanics twelve years ago.

The Association has one work since its organization by bringing the practical men of the mills in contact with each other and enabling them not only to become ac- Mr. Cobb as president of your As-

however, that the Southern Textile Association did not find its real field usefulness until F. Gordon Cobb conceived his questionnaire system which he was able to perfect during his term as president.

The questionnaire system gathered together the ideas of the best practical men of our industry and the educational movement that it started has given us a vision of the

It was my good fortune to follow There is no reason why we can hearing addresses and discussing men should gather together to disoperation.

cuss the differences of opinion that had been evident from the answers received.

Last November we held a meeting at Charlotte of the carders division of the Southern Textile' Association and that meeting was so successful from every standpoint that we followed it with a meeting of the spinners division at Spartanburg in January and the weavers division at Greenville in January.

Each of these meetings was attended by approximately 175 memhers and exceedingly interesting and instructive discussions were held both in morning and afternoon sessions.

One result of these sectional meetings has been that many of the men returned to their mills and began to make tests to determine the correctness of the various ideas advanced.

If I correctly eatch the vision of the future our next step will be to prepare standard forms or methods of making the various tests and to compile the results of same for the benefit of the entire industry.

When that step has been taken there will come a strong demand for the Textile Foundation, through which experts will supervise all tests that are desired by our members and thereby insure dependable results.

The organization of the Textile Foundation has been suspended during the depression but will be com-pleted upon the return of prosper-

The greatest benefit that will be derived from the questionnaires and the sectional meetings will be through the fact that they will cause the men in the mills to think about textile matters and study them and by such study be developed into more efficient men.

After all, our main object is to make better superintendents, overseers and master mechanics and having the best type of men in the world we need only education to develop the most efficient mill men.

I wish to thank the chairmen of the several sectional committees and of the other committees, and the textile press for the splendid port and encouragement that I have received during my term as your president and I wish to thank you

Report on Spinning

Carl R. Harris, Chairman.

Mr. Chairman, Ladies and Gentlemen and Members of the Southern Textile Association:

time this morning in presenting to the Association a few of the most important discussions brought out at the meeting of the spinners' section in Spartanburg Jan. 21st

But before doing this I think it well to give the history leading up to the development of our present system. We are getting such excel-lent results from these sectional meetings, considering the fact that

it is a comparatively new project.
Several years ago it was realized by a member of this Association that the work being carried on was not wide enough in its scope. The papers which were read at the meetings was largely the presentation of the ideas of one man. It was realized that we should get the ideas of all the members of the Association, in order to make us more efficient

superintendents and overseers.

In explanation of a proposed plan system of overcoming this difficulty I will make several direct quotations from the minutes of the 1919 meeting of the Association at Wrightsville Beach. These quota-tions may not follow a continuous line of thought, but close enough I trust to convey the idea.

"I know there are thousands of

tor of them, unknown to the rest of

"Therefore, I am going to offer as I will spend the major part of my a suggestion that the president ap"Have each carder write out a list
me this morning in presenting to point a superintendent who has been of questions which will, if answered overseer of carding as chairman of a committee on carding, and that all carders be automatically made members of that committee. Then have



Carl R. Harris, Lancaster, S. C. Chairman Spinning Section.

work—appoint a chairman of each group of carders."

correctly, help him out of some trouble he is having in his room, such as tangled work, nitty sliver, having to put in too much twist, inability to make intermediates furnish enough roving for the speeders, can't keep card hands, or in other words let him ask for information on the things that give him most trouble. Then let him write down any original idea he has put into effect, such as a better way to work scavenger and roving waste or any improvement on any medicine."

"Turn these papers over to his chairman. Then let the chairman of carding with his sub-chairman sift these papers down by eliminating duplicate questions, etc., and compile one report to be read at our next meeting." And this was to apply to every department of the mill, carding being given only for an ex-

This suggestion led to the development of the questionnaire system as you all know it, and have seen it work. And by its means a great deal of good work was accomplish-We broadened our field and reached men that otherwise we nev-

good ideas that come to these meetings and go away with the originahis carders classified according to that it should have for the reason
tor of them, unknown to the rest of
coarse goods, fine goods and combed that a good many were slow to ac,
work—appoint a chairman of each cept it and give it support, by lend-

ing their original ideas.
We soon drifted back into same old rut that we had been t ing to get away from, and again it became a one man affair. Not that we were getting but one man's ideas on a subject, for by these question naires we were getting the opinio of quite a few. But the drawback was, that it was left to one man to get up the subjects. You men judge for yourself which is the lesser evil, but as one of our past presidents has said "Something was started.

As Mr. Boyd has previously said, few of the officers of this Association met in Charlotte to try and find some means of overcoming this difficulty. We knew that when men of the same calling get together, about the first thing they do is talk shop. So it was decided to call a few men, or as many as could be gotten, of each department together, and see if we could not bring out discussions enough to get mate-rial for a questionnaire. Mr. Boyd called a meeting of the carders in Charlotte. The results were so good that the spinners were called to-gether in Spartanburg, and then the weavers in Greenville.

The attendance at these meetings and the way everybody opened up. so to speak, surpassed all expecta-

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From a Mural painting by Arthur Covey.

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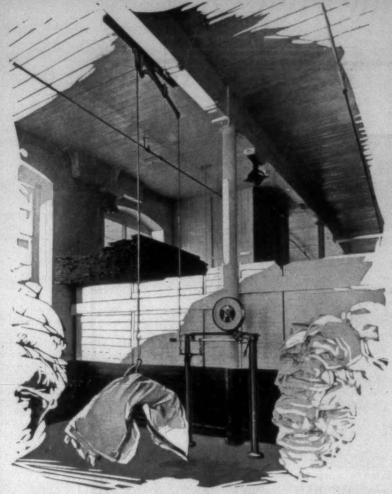
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The Toledo Yardage Scale

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Lawrence, Mass. Ayer Mills

Lawrence, Mass.

North Billerica, Mass.

George Kunhardt & Sons, Lawrence, Mass.

Sutton's Mills North Andover, Mass.

J. & J. Dobson Philadelphia, Pa.

Woolen & Worsted Mills Fulton, N. Y.

THE Toledo Yardage Scale for use in Cotton Mills is designed to indicate the number of yards per pound as well as the weight per yard. The cloth is placed on the platform or weighing receptacle and the head mechanism is moved until the pivot-holder stands at the graduation mark on the beam corresponding to the number of yards known to be in the The weight of the cloth per piece. running yard is instantly ascertained by reading the indication on the inner graduations of the larger circle, while at the same time the number of yards per pound is indicated on the outer graduations.

Then the head mechanism may be moved to a fixed position where the scale becomes a weighing machine only, and the total weight may read from the smaller circle of graduations. T chart especially designed for mills is as follows:

chart especially designed for mills is as follows:

2900-C
CHART—Weight capacity 160 lbs. x ½ lb.
Yardage graduation 20 oz. x 1/10 oz.

"Yards per pound" graduation:
.80 to 2.50 x .01
2.50 to 3.50 x .02
3.50 to 5.00 x .05
BEAM—Graduated from 32 yds. to 128 yds.
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Toledo Scale Company, Toledo, Ohio

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TOLEDO SCALES NO SPRINGS ~ HONEST WEIGHT

semi-annual meeting of the Associa-

Before hearing Mr. Boyd I was of the opinion that the greatest good could be derived from these sectional meetings in the following way:

At these sectional meetings we do not propose to try and establish any standards, for that should be the work of the Association as a whole. What we aim to do is to get together and take up the different phases of our work, and the many perplexing problems that are encountered daily, and discuss and thrash them out thoroughly. Then present this information at the next meeting of the Association for further discussion, and call for a vote of approval or disapproval, and let it go down don't know whether I would vote or in the minutes of the Association as standards or be cast out.

At the meeting of the spinners in Spartanburg there was quite a few very important things taken up for thordiscussion and thrashed out oughly. Owing to the limited time I will only mention five of the most important ones. I will present them the form of a question and give you the concensus of opinion as brought out at that meeting. Then we wish to have discussions here and pass on these matters so they may be entered in our minutes as standards.

That was what I intended doing this morning, but Mr. Boyd's suggestion in regards to a system of running tests on the things taken these sectional meetings, promises to be another stride forward, though I do not know any details of the plan he has in mindtherefore, we will not call for a vote on these matters as intended, but we wish to bring out all the discussions possible.

Mr. Walen, who is engaged in research work for Lockwood, Greene & Co., made a talk at the meeting Spartanburg, and spoke of the variation in numbers of yarn they had found in a test, and I would like to ask: What variation there should be in numbers of yarn? Since that meeting, has anybody made a test from all their frames, or in other words tested yarn from both sides of every frame to determine the per cent variation in numbers?

Does tape driven spinning better results than band driven?

Answer: The concensus of opin-ion of those who had had experience with band and tape driven spinning was that the tape drive gave a much more even yarn, less waste from soft yarn, and that we could get more production. And some said that the spinners could run more sides on the tape drive.

Will quote one man, who said: "I have used the band and tape drive and I think the tape drive is far superior and I would pay today twice as much for a tape drive as would for a band drive frame. I don't suppose we find one bobbin a week that we have to throw out for

ft yarn."
Will those men present who have had experience on band and tape drive hold up their hand?

Question No. 2: Which gives the the spinners can run more est results, the No. 2 flange ring it prevents tangled work. or the No. 1?

tions. So it was decided to have Answer: Those who had experithese sectional meetings before each ence with both were inclined to be Those who had expen partial to the No. 1 flange. claimed the friction was les They less one man said that he could get mo roll speed.

A few days ago I was talking w the superintendent of one of leading mills in South Carolina. having noticed that he was putting on some No. 1 flange rings, I ask him which ring he thought gave best results, telling him that I tended trying to establish the su riority of one or the other at a meeting. He said "I thing the No flange gives me the best results. much so that all the rings we from now on are going to be No. 1 flange. Though I don't believe you will get much discussion on it, and you were to call for a vot not, for I am not absolutely sure which is best, and you will find a number of others there in the same fix I am."

I told him that his experience was exactly what we wanted. If we wait until everybody has found out for themselves which is best, have we done anything or helped out of any difficulty by then de-claring which is best? No, but he is right to the extent that we want to be absolutely sure of a thing before we declare it a standard. But vou see in this case he is so sure that they are better for him that he is going to buy all No. 1 flanges.

I notice that superintendent is in the room now and we would like to have his experience with the No. 1

Question No. 3: Can we get better results with the clutch spindle than with the plain spindle?

Answer: Those who were using the clutch spindle recommend if very highly. They claimed that the waste from soft yarn was more than cut in half, that it gave no trouble, that the yarn was easier to keep off the spindle, and that it held the bobbin down, keeping it from jumping up, therefore making the work run better.

Question No. 4: Will the advantages of using a wide enough gauge to eliminate the separators more than pay for itself?

Answer: In order to give you the concensus of opinion in this case I will make a few direct quotations from the minutes of the spinners' meeting. One superintendent says: "We threw out 10,000 narrow gauge using separators, and put in wide gauge without separators, and got an increased speed. We produced more pounds on the wide gauge. There is no comparison in the strength of the yarns. We got a twist that very few mills can equal. The yarn was very even, there no variation in the twist, and we could run less twist per inch and reduce the cost of manufacture by elimination of separators, fully half. I have never seen such running, if I had to choose between a tape drive machine and a wide gauge machine I would take the vide gauge in preference to the tape drive.

Another states: "The wide gauge is better than the narrow gauge Which gives the the spinners can run more sides and

(Continued on Page 45.)

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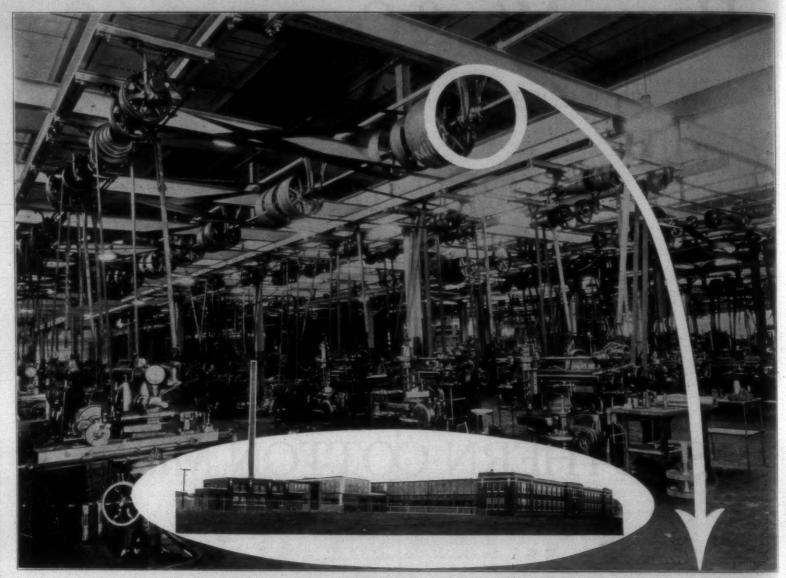
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All Line Shafts in New Foote-Burt Plant are Hyatt Equipped



Exterior and Interior Views of new Plant of the Footte-Burt Company, Cleveland, Ohio, Equipped Throughout with Hyatt Roller Bearing Hangers

F-119

Mr. F. A. Barnes, Chief Engineer of the Foote-Burt Company, Cleveland Ohio says:

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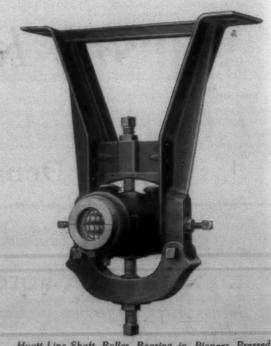
The action of the Foote-Burt Company in equipping this new sevenacre plant with Hyatt Roller Bearing Hangers is of important significance to you. From years of experience they know the economy and reliability of service afforded by this standardized transmission equipment

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Hyatt Line Shaft Roller Bearing in Pioneer Pressed Steel Frame as used throughout the Foote-Burt plant

Report of Power Section

(By S. B. Rhea)

assure you this is a pleasure to 1.70, in Illinois it was 2.40.

mbined, it is the largest manumodern plants are cutting the coal ing di consumption per K. W. hour. Why thing, there was a canvass made, of the steam plants in the State of Massa-coal i chusetts, more especially the cen-tral plants of Massachusetts, to asthis extraordinary.

In sending out my questionnaire, minion available water power is it was shown we had a scope of found in abundance.

1.90 to 5 pounds per H. P. per hour. In the United States the maxima going to try to show that where mum potential water power is estimated at 60,713,200 H. P., of which converting the state of the st

Take the State of Illinois, it takes been developed. etts, both using Pennsylvania coal.

to a cotton mill in the Carolinas and facturer in the world that of man-erected, it is running today with ufacturing steam. We are going the same settings and conditions if through a transition period. The ran under in Massachusetts after being discarded for the vevry same

The power that consumes most coal is steam locomotive. Professor Breckenridge, professor of Mechantral plants of Massachusetts, to as- ical Engineering of Yale University, certain how much coal they were claims it takes four to six pounds using per K, W, and in this cam- of coal to develop a H. P. per hour. paign it was found that some were Mr. McAdoo's plan was to electrify as high as three pounds per K. W., most of the United States railroad as high as three pounds per K. W., most of the Chited States fairbaid and to some were as low as 1.60, mileage, which is regarded by rail-that would be 1.31 pounds of coal roaders as feasible only in certain per H. P. per hour, but the average districts. Call attention to the great for the State was 2.28 pounds of water power resources of North coal per K. W. hour and that would America, says the Boston News Bube between 1.70 pounds and 1.71 reau. Canada water power is inpounds per H.P. and we would call calculable, much of it being in unsettled areas, but all over this Do-

only 5,321,699, or 8.8 per cent, has been developed. The far west, estwice as much coal to produce a pecially the Pacific States, are very K. W. hour as it does in Massachu- much in the lead in maximum pomuch in the lead in maximum po-tential water power, the State of Washington being the first on the

4,242,000, of which 18.8 has been developed.

Other States exceeding the million mark are as follows:

Idaho 2,910,000



S. B. Rhea, Greenville, S. C. Chairman Power Section.

Vermont, Massachusetts, Rhode Island and Connecticut.

However, they are running to waste 16,000,000 water horse power in excess of the entire steam engine horse power including locomotives.

Power to my mind is the father of accomplishment, moral, intellect-ual and physical. The statement can be qualified in a great many-ways. Eléctricity is power's greatest agent. Good business succeeds if it has agents. Electricity is the greatest agent of power, it is power's greatest sales agent or's greatest sales agent.

Coal is the shortest word we have to express industrial power and domestic comfort. Even the rumor of a coal shortage simply demonstrates that the fuel is really the staff of life to the industrial world, and the temporary stoppage of any of the larger resources of supply threat-ens a nation wide crisis. Shut down our coal mines and our country not only becomes cold but idle and hun-

The figures of our total coal resources millions and millions tons; even the few hundred million of tons of our own annual consumption, are too large to be grasped and (Continued on Page 42.)

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Research Work in Texas Mills

(By C. S. Tatum.) Mr. President and Gentlemen of the Association:

The term "research" usually conveys the idea of very scientific work performed by some high brow with a long list of degrees attached to his name. If there has been such work performed in any of the Texas mills, I have been unable to discover a rec-ord of it. However, to use one of Peter Clark McFarlane's pet expressions, I will give you a few "Texanexperiences.

It is not necessary for me to tell you the number and location of our mills, as you have your own copies same time frequently buy our cotton of the Textile Directory. From ques- by grade only. Apparently in the cost there creep tionnaires sent to all superintendering speeds, settings, etc., in the picker and card rooms. These fig-ures contain little of practical value for you whose numbers are so much finer than ours.

As the Textile Bulletin recently pointed out, all of our Southern mills with it. need to pay more attention to the Alpha and Omega of our business.

We have been far too about both extremities, and I believe you will agree with me when I say there has never been a time when it was more important to pay strict attention to the selection of our cot-

guage than I can possibly command today.

I do not believe that I make too broad a statement when I say that there is less real information on the subject, and more short sightedness displayed in the purchase of the cotton than in any other feature of our business. We strain every nerve to cut off half a cent from our labor cost, guard very jealously our supply rooms lest the cost there creep of the fact that there is easily two ents in the State, we have just com-piled very valuable information cov-ning value of two bales of the same grade. I realize that usually the superintendent has very little to say about this end of the business, but if he studies the question and actually learns to judge the value of his cothe can have a whole lot to do

> The majority of Texas mills use low grade cotton, and as the differences are so much wider on the low grades, it makes it all the more important to "watch your step."

> When the lint stays in the bolls' long enough to produce the low grades it has time to grow longer,

doubt most of us have already been with more drag to it. When wisely the trash is removed before it has a reminded of our shortcomings in the selected better spinning value may chance to be broken up by the beat-latter respect in more eloquent lanbe found in some of the lower ers, you all know how hard pin trash grades, then we frequently find in is to remove. There is no doubt but higher grades. However, on account that this is a step in the right diof the color there are comparatively rection. The "Texanic" idea is to few mills who can take advantage of this fact.

> Unless the mill is fortunate enough to have even running cotton, it should be carefully tagged as grade and staple and systematically stored in the warehouse, to make it convenient to get out very nearly the same mixing every day.

It is supposed a well known fact mix two good laps with two low that there should be a fairly large ones, in this way getting the most mixing ahead of the openers at all uniform mixing possible. that there should be a fairly large times, but we find that the majority of mills are careless about this very important point.

It is hard to find any two bales of cotton alike, and in order to keep as uniform as possible the mixture going into our mills, we should mix as many bales at a time as we have room for. If there is not room enough to mix one day's supply at a time, then the opening room had better be enlarged, or moved to the warehouse. When cotton is opened beating it is far better to slow down up awhile before putting into hop- the beaters, and retain the extra up awhile before putting into hop- the beaters, and retain the extra pers, it dries out and fluffs up, which doubling and evening. We found by puts it in better condition to be actual test that there was 25 per cleaned. One of our Texas super- cent more variation in yarn numintendents has been experimenting ton, and the inspection and the put- hence we frequently find in the low- some on a plan to revive the old ting up of our finished goods. No er grades a longer staple and one idea of the cleaning trunk where some on a plan to revive the old processes

install cleaning trunks between the vertical opener in the warehouse and the main mill building.

In our own case we open one day's mixing and divide it into two parts; in one half we put all the better grades, and in the other half all waste re-worked and the lower grades. On the intermediates

Some of our Texas brethren, like some of you, have adopted the two processes of pickers. We have experimented with this some and are fully convinced that three processes of pickers are better than two, on account of the extra doubling and evening process. After all unevenness in our yarns causes more ends to come down on the spinning than all other causes put together

In cases where there is too much cent more variation in yarn numbers on two than there was on three

(Continued on Page 48.)

The American Textile Banding Company, Inc.

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who will be in Philadelphia for the annual meeting on May 27th and 28th to visit their plant, and see the manufacture of

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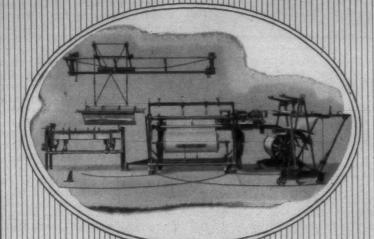
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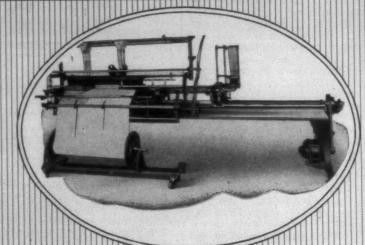
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BRANCH GREENVILLE, S.C.

The Address of Welcome

(By Mr. W. R. C. Smith, Atlanta, Ga.)

Mr. Chairman and Gentlemen of the Southern Textile Association:

I wish that all that our worthy chairman has just stated to you might be true.

On being selected to deliver to you this address of welcome, I am reminded of a little story on my friend Jim Brown. Jim was a member of a large corporation, and was familiar with the experiences of golf tournaments. About 4:00 o'clock one afternoon some one called him very hastily over the telephone, and told him he was wanted at home immediately. Arriving there, he found to his very great surprise, although to his unbounded joy, that he was the father of three bouncing boys-trip-Well, of course, he spread the good news around the neighborhood. and called up all the boys, and told them of his good fortune. The next them of his good fortune. morning he got to the office rather late, about 10:00 o'clock, and he ran into a public reception on the part of the boys in the office. They said to him "Jim, the boss wants to see you." "What does he want to see me about? I have not talked to him in six months." They said "We don't know what he wants to see you about, but you had better go in to see him." Jim said "Well, I suppose had just as well have it over with," and he went in, and the boss shook hands with him, congratulat-ed him, and said "Jim, we are all mighty proud of you, and just to show you what the boys and myself think of you, we are going to give you this,' presenting him with very beautiful silver loving cup. Jim began to stammer and stutter, and finally said "This is certainly a surprise to me, and I just can not tell you how much I do appreciate it." Then the history of several golf tournaments passed through his mind, and he said "But, Boss, let's get this thing straight now; is this cup mine permanently, or do I have to win it two years in succession?" So you can draw your own conclusions, Mr. Chairman, and next year, if you don't like this first address, probably you may like the

I am somewhat over-awed by noting the statement on your program that this is the Twenty-fifth Semi-Annual Convention of your Association, and it is with somewhat of diffidence that I stand before you this morning, because I am very keenly sensitive of the fact that in the many meetings you have held, and in the many cities which you have visited, the expressions of esteem, of cordiality and good will have been many times presented to you' by tongues more fluent, and by minds more intellectual than mine. Howvarious and sundry cities of this dearly beloved Southland of ours, you have never yet entered the porINVOCATION

(By Richard Orme Flinn, Pastor North Avenue Presbyterian Church, Atlanta, Ga., at Opening Southern Textile Association Convention at Atlanta)

We thank Thee, our Heavenly Father, that Thou hast allowed to live in a great hour in the history of this country, in a country of great resources, in a time of great emergencies, matched by great enterprise, led by great men. We thank Thee that Thou hast allowed us the opportunity and the privilege of fellowship and conference, and as these, thy servants gather here today, that they may compare notes, exchange experiences, secure advice and wisdom for their work, we beseech Thee that Thy spirit may We thank Thee for all that Thou hast enabled this preside. group of Thy servants to achieve, and for what Thou art enabling them to do in clothing the naked, and turning into profit re sources that would otherwise go to waste, and in enriching this great Southland of ours by their enterprise,

We thank Thee likewise that not only have they been dealing with a raw product of the soil, but they have they been with a kindly sympathy seeking to lift and elevate, and weave into a better fabric those who are co-operating with them in their great enterprises. We pray Thee that all the great welfare work, that has been engaged in, may have Thy blessing. Wilt Thou give has been engaged in, may have Thy blessing. Wilt Thou give wisdom, and wilt Thou give strength to these men who are seeking thus to lift their comrades?

We pray Thee that through these ministrations there may be a better feeling, and a better understanding be born, and that there may be a spirit of co-operation and mutual responsibility begotten. Do Thou grant that our people may be elevated even as these enterprises are elevated by an improved element in their

May all that is said and done be as Thou, the great Heavenly Father would approve, and may it all be in the spirit of service, the spirit that characterized Thy Son, in seeking to lift the men up, as the stronger minister to those who are weaker, and knowing that we render this service with the full knowledge that at last we will stand to be adjudged according to the deeds done

in the body.

Grant Thy prosperity and happiness to these Thy children and may this be a period, when in the midst of complications, and in the midst of uncertainty, we may trust in Thee and seek to follow Thee, that we may be led into the light, and all this we ask in Thy blessed name,

the Gate City of the South.

We here in Atlantac boast with great pride of our far flung enterprise, of our industrial activities and of the spirit which has made us great; but we oftentimes forget that much of this greatness has achieved by reason of the fertile: fields and the industrious endeavor of many men like yourselves who, scattered over the valleys of the Piedmont and the rich coastal plains of the South Atlantic and of the Gulf, have, after all, in the last analysis, made all these things in Atlanta a possibility and a reality, and deem it only fitting this morning to pay you that honest tribute which you deserve, and to acknowledge in some small measure, if I may, the great debt which we owe you. lanta has indeed grown great cause of your enterprise and I want you to know that we are deeply and keenly sensitive of the foundations upon which our prosperity rests.

As a servant of a great International organization of which I am serves best," a slogan which is slowly becoming recognized by thinking, conscientious men today as a prac-

could in any measure surpass that city; for I feel indeed that you are Master Craftsmen yourselves of all that slogan I have just quoted implies; for you also hold that the exchange of your goods, your service, us and your ideas for profit is legitimate and ethical, provided that all parties in that exchange are bene-fitted thereby. You also hold that it is your aim to elevate the standards of your vocation, and to so conduct your affairs that others in your vocation may find it wise, profitable, and conducive to success and happiness to emulate your example.

Service is the moral responsibility of business, and by "business" I mean the men who finance the factories, and the men who operate them through all kinds of stable and unstable market conditions. You men of the Southern Textile Association are the chiefs of the operating division in your line of work. You are the active heads of the mill or its departments, and you well understand the service ideals necessary to secure the best results for more intellectual than films. How tional organization of whose You are here to discuss these meth-ever, I want to say to you this morn-proud to be a member, and whose You are here to discuss these meth-ing that in all your pilgrimages to motto is "He profits most, who ods, and I understand that you hold the men who finance your plants: several meetings a year in sectional form to further elaborate upon them. You are also entirely familtals of any community, you have ticable, workable regulation of every iar with the ideals of service now never sat at the table of any host, day business life, I take particular held towards those who work under iar with the ideals of service now whose cordial good will toward you pleasure in welcoming you to this you. But there is still another

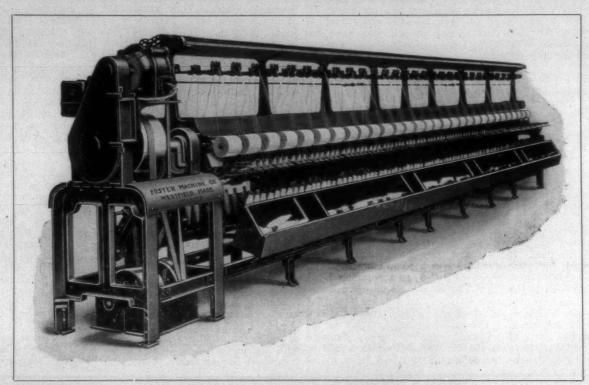
branch of service that rests as moral obligation on every citizen of this country, and particularly thos who control to a greater or lesse extent the production of any of th basic necessities of our existence and that is our service to humanit at large. In these modern times w have passed the point where an man or even any nation is self-sufficient. We are all dependent upon others for many of the necessition and luxuries of life. When those others demand shorter hours at in creased pay, of necessity their pro duction decreases, and the price their product increases, frequent causing hardship and suffering among us, although apparently are in no way affiliated with the particular trade or business. can not ride on a railroad train to day without being reminded of this fact. It is also in evidence when you take your basket to market for the food you eat. Wherever you go whatever you purchase, you are always reminded that in the transportation service of our country are men who are not delivering one hundred per cent of service. But it is not simply a question of wages or hours, or of any one industry; this question of service to society means a service that will eliminate waste in industry. That sounds familiar, doesn't it? But right now I am not talking of stopping the waste in raw or partly finished material. The service I have in mind covers a broadfield with a multitude of elements.

Many of you may not be familiar with the fact, but surveys are being made at Washington by some well known engineering societies covering some eight or nine of the basic industries of the count These surveys are being made detect and point out wastes in in They are not yet entirely completed, but in textiles, for exam ple, the percentage of efficient ope ation is only 35 per cent, due main to strikes, business slumps, or other generic conditions. Whatever yo of efficient operation in your plan is going to boost the textile pe centage nearer the 100 per cent perfect mark, and, as you all we understand, the nearer you approac 100 per cent in efficient operation the lower will become the unit co of your product to society.

If you are operating an up-to date mill on full time with no labo troubles, you may think that it hardly fair to burden you with the shortcomings of some other per or mill. However, as in baseball team work is necessary to secure the best results, and all members of any basic industry like textiles, must work together, if they hope to increase the percentage of efficient operation within the industry. It means that every man must the game hard, and playing the game means hitting the ball, not the um-There is a vast difference.

Before I leave this subject of service in waste elimination, I wish to

FOSTER MACHINES



The Foster Model 25 Doubler

Foster Doublers-for exact paralleling of cotton yarn before twisting.

Foster Cone Winders—Model 30 for Knitting Yarn: Model 40 Precise Wind Cone and Tube Winder for Twines and Thread and winding tubes for package dyeing.

Foster Machine Co.

WESTFIELD, MASS.

JOHN HILL, Southern Rep., Healey Bldg., Atlanta, Ga.

ment of Commerce that they will be in a much better position to render you aid and advice than has been the case in the past. In order to further this work, he has asked work along these lines be continued. You can help in this matter by writing your Congressman immediately upon your return home and urging his support for this appropriation. I sineapely home your propriation. I sincerely hope you will act promptly in this matter.

call your attention to something the Southern Textile Association, is thing of the utility and intrinsic greatest force for the advancement that is being done along that line that this, your twenty-fifth semi-anvalue of this fleecy fiber, this prod- of civilization that this world have by Secretary of Commerce Herbert nual convention, may be the most uct of our soil. They know some-known. Harrington Emerson say He is so reorganizing the profitable and most satisfactory seswork of the Bureau of Standards sion you have ever held, that you and other sections of the Depart- may mutually profit by your exchange of ideas and experiences, and go away from among us upon the conclusion of your convention reinvigorated mentally and physically. In the name of the good people of Congress for a deficiency appropriation of \$680,000.00. It is important welcome. It shall be our pleasure to you as manufacturers that his to be your servants while you are these lines be continamong us, if you will permit us. Of that be not enough, you have but to express the desire, and Atlanta, even to the uttermost, shall be yours. Gentlemen, I welcome you. My earnest wish, gentlemen of (Applause.)

thing of the sterling qualities of that all of the important discover Southern labor, and they believe ies and developments in the science that with the proper selection and of electricity for the past 1,000 year training that it will reach the high- can be covered in 72 hours of read est pinnacle of efficiency. They are ing. This statement in greater of the exploration of the selection and the statement in greater of the exploration of the selection and the statement in greater of the exploration of the selection and the selection of the selection and the selection of the sele well aware of the splendid climate of this section, a climate that is unsurpassed year around, year in and year out, on the face of this globe. They are cognizant of the advantageous geographic location of these Southern States. They know that of the 24-deep water harbors to be found along the coasts of the Unitd States, both Atlantic and Pacific, that 12 are located along the seaboard of this section. With these potentialities in mind, I know you will not think it strange when I tell you that this association looks forward to the day when the Southern textile industry shall be recognized as occupying first place in the cotton manufacturing industry of the world, first in the quality of its fabries, first in the efficiency of its mills and first in the quantity of It dreams of the day their output. when ships shall be setting sail from great work in stimulating thought every Southern harbor, carrying the in the past. The future it looks products of Southern factories to forward to with confidence. every land and clime.

Southern factories today. These portant side, the social side. After men come together to exchange ex- all, each one of us is in search of periences and gain new ideas. The the desirable things of life and,

less degree applies to many othe lines of endeavor. Efficiency toda demands that advantage be taken of all sources of reliable information Darwin said, in his day, that even step in advance that had been take man had been builded upon foundation already laid by anoth man. While I dare not attempt prophesy as to the changes the are likely to take place in the te tile industry in the days to com we all know that improvements a constantly being made and that its development the industry merely on its way. Carried to its last analysis there can only be one hest way of performing any one operation. To aid in determining thes best ways and to assist in the de velopment of the industry whole the Southern Textile Associa-It has done a tion was organized.

While I have been speaking brief-This Association is a great educally in regard to the business or practional organization. The men who tical side of this organization only, gather in its meetings are the lead- I assure you that I have not been ers in the practical operation of our unmindful of that other most imdevelopment of the printing press day, it seems to us that nothing with its power to disseminate in-could be more desirable than the formation has probably been the excellent program which the citi-

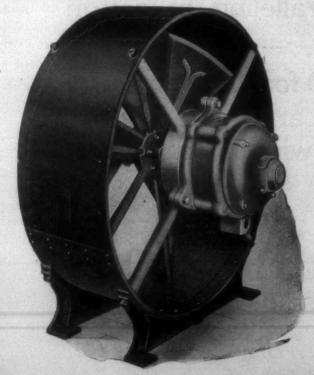
Reply To Address of Welcome

Association it gives me great pleas- membership is composed of with all that it foretokens. This asour feet are upon our native heath.
in the historic past of this great
commonwealth. When they think of ization have a supreme confidence
the great contributions that have in the future of the cotton mill in

(By John W. Clark) sociation, which meets here this On behalf of the Southern Textile morning, is peculiarly Southern. Its sociation, which meets here this ure, sir, to thank you for your most than 2,000 men, from eleven South-kind and cordial welcome to this ern States, all engaged in or conkind and cordial welcome to this ern States, all engaged in or con-beautiful, historic and progressive nected with the manufacture of a city. We are glad of this oppor-Southern product. These men glory tunity to meet in the Gate City of ters of Georgia to this Southland the South. We know that your gates and to this nation, State lines fade have swung closed to the past. It away and they claim these achieve-is well that they should, for your ments, these accomplishments and past is indeed secure. We know these sacrifices as a common heri-that they are flung wide open to the tage. When we stand upon Geor-future, to the dawn of the new day, gian soil, we can not but feel that future, to the dawn of the new day, gian soil, we can not but feel that

been made by the sons and daugh- the cotton field. They know some-

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A small amount of money invested in Perkins Ventilating Fans will produce comfort and happiness among your employees and thus help keep your production up to standard during the hot weather.

Write For Particulars

B. F. PERKINS & SON, Inc HOLYOKE, MASS.

fertainment while in your midst. e had heard of the spirit of Atnta and its hospitality aforehand. be really frank we must confess at it was this which brought us And now in conclusion, I am re the poetess must have had this nkissed land in mind when she

like gold, And the cherry blooms burst with

and down underneath is the love- Textile Association and in the name

ons of this busy, hustling, wide- Where the four-leaf clovers grow. wake city have arranged for our One leaf is for hope and one is for faith.

And one is for love you know,

And God put another in for luck-

If you search you will find where they grow.

But you must have hope and you must have faith,

You must love and be strong-and 80.

know a place where the sun is If you work, if you wait, you will find the place Where the four-leaf clovers grow."

> Again, on behalf of the Southern of its every member I thank you.

Report of Carding Committee

Marshall Dilling, Chairman.

A sectional meeting of carders was hold in Charlotte, N. C., Dec. 10, 1920, which was attended by about 175 mill men who showed by the expression on their faces that they were interested in the subjects to be dis-cussed and that they considered them to be of vital importance. The discussion was entered into heartily and freely by a large number that were present and their earnestness and zeal showed that they had been thinking very seriously of the problems that confronted them and as a result had found ways and means of doing things that had produced results for themselves and the mills they represent. One thing the chairman noticed that was very pleasing to those who had worked hard to develop this situation was the spirit

isher. On the other hand many who have tried the two process system believe they can get a stronger yarn and the quality from every other standpoint is just as good and they are loud in their praise of the merits of two processes. From the answers received to the questionnaire and the discussion at the Charlotte meeting it is the writer's opinion that the two process system can be made as efficient as the three, but do this it is necessary to have:

First—An efficient opening system, that is, one that will open the cotton and restore it to its natural condition. To accomplish this, the cotton must be opened and aired thoroughly and I know of no better way than to run it through a condenser, C. O. B. machine or any other machine that will open and carry the cotton through by suction or forced draft:

Second-Running the beaters at a speed that is just enough to clean the cotton and not enough to injure it by striking or beating it harder than the delicate nature of the fibers will stand. Around 1,000 R. P. M. is recommended.

Third—Feeding slow and light enough to allow all the cotton to be cleaned instead of rushing it through so rapidly that only a part of the cotton is cleaned and that part only partly cleaned.

Fourth-have the rolls and grid bars set and adjusted to the stock being run.

Fifth—The eveners and regulators must be kept in good working order to do their work properly.

The advantages to be gained are less working of stock, economy of operation, and saving of power.

The discussion on drawing was as

to the merits of one, two or three processes and about the same arguments were advanced in favor of one process of drawing as to two processes of pickers. Many combed and some carded goods mills are get-ting excellent results with one procan by giving him any information ess, while others claim they cannot by possessed. Many subjects perget as even work with one as with shing to the carding department two processes as they have fewer discussed, but the two that apared to hold the most interest was can get the doublings on the lap magain partiaining to nighting and draw things and combers but a parted at pertaining to picking and draw-chines and combers but a carded.

The discussion on picking cen-mill must be able to keep their stock ded around the merits of the two uniform, their numbers and weights or three process systems. Some even, and the preceding machinery claim that with three processes they and equipment in a very high state can get evener and cleaner work of efficiency to be able to run sucand for that reason it is better to cessfully with one process of draw-have breaker, intermediate, and fining.



larshall Dilling, Gastonia, N. C. Chairman Carding Section.

helpfulness and unselfishness manifested by all as it appeared that were willing to help their fellow-

General Building Company, Inc.

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COMMUNITY BUILDING Erected for International Cotton Mills LaGrange, Ga.



Houses? Erected For

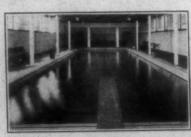


The PACIFIC MILLS

Columbia. SC







Swimming Pool in Community Building LaGrange, Ga.

We are organized and equipped to supply the need of housing facilities and community buildings so keenly felt in our manufacturing centers today.

Experience already gained in the textile field will enable us to meet your problems with assurance and success.

INQUIRIES SOLICITED

Report of Weavers Section

(by W. H. Gibson, Jr.)

Sectional meeting of weavers di- ings. vision of Southern Textile Association, held at Greenville, S. C., on February 25th in Cleveland Hall. The meeting began at 10 o'clock. About two hundred overseers and superintendents were present.

I shall not attempt to go into very many details in this report, but will comment on the matter in a general way, as details should be discussed at the sectional meetings. The meeting in Greenville, to my mind, and in the opinion of a great many others derived probably more good to the individual overseer and superintendent than has otherwise been accomplished. Our opinions of the sectional meetings are far more beneficial than to try to take up the matters of the meetings of the matters of the meetings of the Southern Textile Association on account of the lack of time for discussion. At the Greenville meeting, the forenoon of the day was consumed in discussing starches, compounds and slashing; a great deal of interest being shown in this particular department, and we found from this discussion that a great many men were going into the matter very thoroughly, and were getting good results from their efforts, and we feel that if more weavers and superintendents would take part in the discussions, giving their ideas, asking questions and exchanging ideas, a great deal more flood could yet of being added accounted for the

be derived from the sectional meet- unusual statement.

gave some valuable information, and it seemed that the general opinion was that approximately 8 per cent sizing on 30s yarn was more generally used than any other figure. Also a very interesting feature was brought out in the way of cooking sizing by Mr. Greer of Ware Shoals, who pointed out the importance of eliminating as far as practical the human element, as a great many times the overseers and superintendents are misinformed in regard to the cooking of sizing, the mixture, length of time, etc., but those who had used temperature regulators and recording charts found them to be very valuable in every day. Along about this point a very amusing statement came out when one man asked if we had ever seen a room where you got more starch out of the weave room than you put in your size kettle. The reply was "no," that he had not seen that, but he had had the experience of getting more sizing out of his size box than he put in it, which caused considerable laughter. This is explained on colored work where the warps were wet when it went into the size box, going through squeeze rollers, that this moisture being taken out of the yarn instead

at the Imperial Hotel. This luncheon was very much enjoyed, and many of us had never thought we aside from being an elegant ban-manufactured from cotton; that the quet, entertainment was furnished by the girls of the G. F. C. Also Johnnie Walker was on the which added to the occasion, spot, Mr.

W. H. Gibson, Jr, Union, S. C. Chairman Weavers Section.

ings.

At 12:30, the meeting adjourned luncheon explaining the intentions.

Some of the traveling men who for an elegant banquet, which was of the members of the Southern represent the starch manufacturers given by the patriotics of Greenville. Textile Hall, which is in Greenville. He also explained many things that manufactured from cotton; that the next show is to be a product show somewhat different from the former exhibitions. No doubt many interesting things will be at this show, and it will be worth your while

attend it.

The afternoon session was devoled to weaving, and some very interesting matters were taken up in regard to shuttles, pickers, check straps, etc., as to the average life of the various articles mentioned, and it was doubtful in the minds of those present; at least only a few had any accurate records as to the life of different supplies for looms. therefore a great deal of informa-tion was not arrived at along this Moistening conditions in weave room were taken up and discussed thoroughly, and some very valuable information was gathered as to the conditions of weave rooms,

I would like to impress upon the minds of the members of the Southern Textile Association the importance of gathering information and bringing it to the next weavers meeting, which we hope to have some time in the near future, and

(Continued on Page 38.)

TOLHURST EXTRACTORS



are especially constructed for Rapid Operation and Quick Handling.

A 48-inch engine driven Tolhurst "Center-Slung" Open-top Patented Extractor arranged for unrestricted access, rapid loading and quick unloading. This machine is operating in a plant famous for the manufacture of hosiery, and is but one of the Tolhurst Machines used in this plant, the first having been installed in 1913. Detailed information relative to the remarkable service given by this and other Tolhurst Extractors in this and other plants will be sent those interested.

Tolhurst "Center-Slung" Extractors are constructed with baskets 40 inches and 48 inches in diameter and are arranged for motor, countershaft or engine drive. They have roller bearings, lubricated with grease. Catalogue on request.

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New York Office, 111 Broadway

TROY, NEW YORK

Southern Representative, FRED H. WHITE, Realty Building, CHARLOTTE, N. C.

SOUTHERN TEXTILE BULLETIN

Report of Committee on Finishing.

The Committee on Finishing has perfections een in correspondence with a numof finishers of cotton fabrics. goods. While this report is by no means implete, there are a few hich we wish to submit for your amage to the selvage. tention at this time. It is the confacturer will observe more closely the following points in regard to known to result in damage. lies concerned:

good size type

number, yardage, style, construction 15. Carefully examine the goods of goods and name of shipper. As for bunches or slugs of filling. When a nextra precaution it is also often advisable to use a double wired variably result in a breakage in the cloth or fibre shipping tag.

3. Burlap each bale all over and

16. Inspect closely for oily filling,

per to prevent dust from sifting gets on the goods after it is woven.

through.

4. Use a good grade of baling ties or rope. Old ties often rust through

giving the number of the bale, the detailed yardage of each piece and the style and construction of goods. 6. Carefully measure the length of

7. Mark the yardage on each piece but do not use an indelible pencil.

8. Do not fold two pieces in one. This causes loose ends in the bleach house. Fold each piece to itself.

9. Do not sew the pieces together. The finisher prefers to do his own sewing.

10. Do not sew colored strings or firms or their representatives: tags along the selvage to show im- Aberthaw Construction Co. perfections in the goods. Such Alexander Brothers strings bleed and mark off on the Allis-Chalmers Man goods. They also cause tears.

American Moistenin

11. Do not tack or stitch the ends things of the pieces. This is liable to cause

12. See that the burlap covering is ensus of opinion that if the manu- not sewed to the goods. In a num-octurer will observe more closely ber of instances this has been

13. Keep the ends of the pieces will very greatly benefit all par- clean. Frequently pieces are found that are dirty from one to two yards

1. Mark each bale distinctly in on the end.
1. Stencil plainly on the outside feach bale the destination, bale specks.

1. That are dirty from one to two yards on the end.
1. Carefully brush the goods to free from lint, motes and black specks.

back filling such places almost in-

underneath use a good grade of pa- oily warp and also black oil that

17. Lastly inspect the goods that are going to the converter just as closely for weaving imperfections as the burlap and damage the goods, those that are going direct to the 5. Put in each bale a packing slip, trade.

Respectfully submitted, JOHN W. CLARK, Chairman.

Contributors to Atlanta Entertainment Features.

The entertainment features of the convention of the Southern Textile Gilham-Schoen Electric Co. Association were contributed by the B. F. Goodrich Rubber Co. Atlanta Entertainment Committee, Goulds Manufacturing Co. which consists of the following Graton & Knight, Inc.

Allis-Chalmers Manufacturing Co. American Moistening Co. Arabol Manufacturing Co. Atlanta Brush Co. Atlanta Harness & Reed Mfg. Co. Atlanta Textile Machinery Co. Beaver Chemical Co. Carter Electric Co. Casey-Hedges Co., Inc. Chicago Bridge & Iron Works. M. Clayton. Clayton & Bentley Co J. D. Collins Sales & Eng. Co. Combustion Engineering Corp. F. J. Cooledge & Sons. Cotton (W. R. C. Smith Pub. Co.) Cotton States Belting & Supply Co. Cowles & Bleckley.

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Hosiery

Dyers of cotton and silk hosiery have always relied heavily on ZAMBESI BLACK V for the full rich bloom and superior fastness necessary in stocking dyeing. The loss of this product during the war was therefore keenly felt. The hearty welcome it received when we put it on the market under the name of

NEWPORT FAST BLACK V

compensates us for the labor and expense to which we have gone to produce it.

NEWPORT DEVELOPED BLACK 2 B N

is a similar product of American invention with practically equal fastness, and many other desirable qualities.



NEWPORT CHEMICAL WORKS, Inc., Passaic, New Jersey

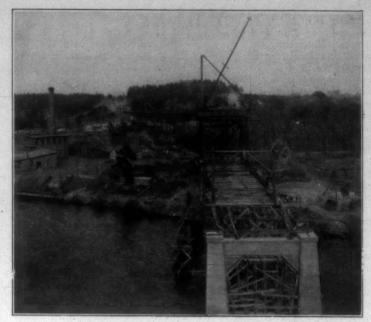
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Highway and Trolley Bridge of City of Manchester, N. H. Timbers and plank of deck dipped in Lyster Creosote Wood Preserver—"NO-D-K"

The city engineer of Manchester, N. H., specified another make of wood preserver but the local Traction, Light and Power Company, which was bearing a portion of the cost of the structure over which their cars were to run said—"No, we insist on 'Lyster' because we have used both and KNOW which is the better."

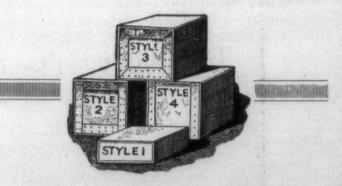
Followed a hearing—the city engineer was convinced.

It: Specifications were changed and planking treated Result: Specifications were changed and with "No-DK" by the open tank method.

LYSTER CHEMICAL CO., Inc.

61 Broadway, NEW YORK Shipping Point-Factory: PASSAIC, JCT., N. J.

Wooden Packing Cases



These boxes are built of timber taken from our own lands, in four styles as shown; present a neat appearance, and are made to carry heavy loads.

We Solicit a Trial Order

White Pine, N.C. Pine, Poplar, Oak and Chestnut

We also manufacture Kiln-Dried and Dressed Lumber. Mill Work-Ceiling, Flooring & Mouldings

Hutton & Bourbonnais Co.

Drawer 330

HICKORY, N. C.

Personal News

- ingham, N. C., to Atlanta, Ga.
- H. G. Tucker has moved from Henderson, N. C., to Danville, Va.
- C. C. Boswell, from Elberton, Ga., is now located at Greenwood, S. C.
- O. S. Alford has movved from Thomasville, N. C., to High Point,
- M. C. Salter has resigned as carding overseer at the Banning Mills,

Elberton, Ga., is now living at Anderson, S. C.

- J. H. Turner, Sr., from Liberty, S. C., is now with the Dunean Mills, Greenville, S. C.
- G. C. Wallenger has moved from Charlotte, N. C., and is now located at North Houston, Va.
- N. G. Mauney has resigned as assistant superintendent of the Ozark Cotton Mills, Ozark, Ala.
- W. P. Hodge has resigned as overeer spinning at the Wahoo Manufacturing Company, Sargents, Ga.
- W. A. Skidmore, who has been at Mooresvville, N. C., for some time, is now located at North Charlotte, N. C.
- J. E. Bryson has been appointed overseer of the night spinning at the Columbus Manufacturing Company, Columbus, Ga.

Ralph Higgins, from Erlanger Cot-ton Mills, Erlanger, N. C., has been Shanghai, China, from which poin appointed section man in spinning the Chinese trade will be handled. Phoenix Mills, Kings Mountain,

- C. S. Tatum has resigned as super-intendent of South Texas Cotton Mills to accept a similar position at Bonham Division, Consolidated Textile Corporation, Bonham, Texas.
- E. R. Cash of Gaffney, S. C., for-merly superintendent of the Gaffney Manufacturing Company and Lime stone and Hamrick Mills, has accepted position as superintendent Steele Mills, Rockingham, N. C.
- J. B. Horton has resigned as overseer of napping room at Griffin Manufacturing Company, Griffin, to accept position as overseer of cloth and napping room at Buck Creek Cotton Mills, Silura, Ala.
- D. N. Crenshaw, formerly overseer of spinning at Boger & Crawford, Lincolnton, N. C., is now superintendent at night for Globe Yarn Mill, Inc., Mount Holly, N. C. The mill is just starting up night work.
- W. C. Rowland has resigned traveling salesman for Carolina Sizing and Chemical Company, Charlotte, N. C., and has been appointed overseer slashing, tyin-in and weaving at Eureka Mills, Chester, S. C.

J. T. House has moved from Rock- Superintendent's Son Marries Super intendent's Daughter.

Hester Baumgardner, son of E. I Baumgardner, superintendent Globe Yarn Mills, Mount Holly, N. (was married recently to Miss Rit Fitzpatrick, daughter of T. B. Fitz patrick, superintendent of America Processing Company, Mount Holl N. C. The marriage took place som time ago but was kept a profound secret until graduation day, as the bride was a member of the class of

Louis Boggs, formerly located at Daughter of Superintendent Lackey Marries.

Miss Grace Lackey, daughter of J. F. Lackey, superintendent of East noldson Manufacturing Company, S Pauls, N. C., was married Wednes. day, May 11, to A. A. McEarchern, of

Maxton, N. C.

The wedding was solemnized in the Methodist church at St. Pauls, which was beautifully decorated. The bride is a talented musician and the eldest daughter of Mr. Lackey. The groom is a business man of Maxton, where the couple will make their home.

Returns From Trip to Orient.

Elvin H. Killheffer, vice-president of the Newport Chemical Works, Incorporated, arrived in Vancouver May 18th on the S. S. Empress of Russia, after an extended trip in the Orient in the interest of his company. Through his endeavors the company has established permanent offices at No. 6A Kiangse Road Shanghai, China, from which point

Mr. Killheffer is expected to arrive at the home office at New Jersey ,about May 20th.

Motion Picture Showing Dye Plant in Operation.

A motion picture showing a larg American dye plant in operation ha recently been completed by the du Pont Company. The film depict scenes at the company's works a Deepwater Point, New Jersey, and an excellent opportunity is present ed to see the laboratory areas an interior and exterior views in the manufacturing units. One of the most interesting parts of the film is that showing the large technical laboratory where a personnel of 100 chemists and dyers study the dyeing problems of the textile, leather, paper and other trades by actually dyeing materials. Sections of the laboratory are devoted to various trades; machines are set up and the dyeing problems are worked out under actual manufacturing conditions. The scenes show, among other things, the matching of colors or textile goods and the dyeing of fabrics on machines, dyeing leather, dyeing paper pulp and making pa-per. As is well known, the making of synthetic dyestuffs is the master

ment of materials for high exosives, war gases, synthetic drugs nd many other products both for ne country's defense, its health, and e needs of commerce. The film ensists of two reels and is now be-g shown at colleges, technical hools and before business bodies.

Arista Mills Co.

Winston-Salem, N. C.
Ewd. PowersSupt.
W. RoperCarder
Wm. Bates2d Hand Carding
W. RoperSpinner
Thomas Walker 2d Hand Spinning
P. WilsonSlasher
Susie JarvisWarper
M. C. JonesWeaver
SwainLoom Fixer
Parks ShaverLoom Fixer
J. C. DaubfordLoom Fixer
E. V. Tirsh
E. McCrackenShipping Clerk

ey industry in the new American Santford HambrickDyer anufacture of organic chemicals, W. C. Hammons...Master Mechanic nee around it resolves the devel- E. McCracken......Cotton Grader

Loray Mills.

63			2	-	di.	
U	ast	OH	ıu,	14.	N.Se	

Gastonia, N. C.
I. R. HayesRes. Agt.
W. P. CargillSupt.
D. F. ShortAsst. Supt.
M. V. WhitsidesCashier
G. L. GilbertPaymaster
E. L. LewisAsst. Pur. Agt.
C. P. HamrickChief Clerk
J. W. EuryCotton Grader
M. H. McLendon Overseer Carding
J. B. MimsOverseer Spinning
G. T. Penland
Overseer Spooling and Warping
C. M. YoungOverseer Twisting
O. C. Killian Overseer Weaving
E. E. Smith Employment Agt.

J. C. Cummings Master Mech. and Chief Elec. C. L. Padgett.....Overseer Laundry Church......Yard Man

L. W. Harkey

Gen. Outside and House Man

Ten Years Ago

The items below are just as interesting as the other items in this ton Mill, Lumberton, N paper but don't get them confused. They were all taken from the South-Textile Bulletin published May 18, 1911:

Personals Ten Years Ago.

J. B. Meacham has resigned as superintendent of the Hamer Mill, Ha-

J. A. Robinson will be local manager at Greer, S. C., for the Parker Mills Company

A. C. Medlin has resigned as over-seer of spinning at the Louise Mill, Charlotte, N. C.

D. F. Short is now overseer weaving at the Capitol City Mills, Columbia, S. C.

J. R. Moore, secretary of the Hen-cietta Mills, has just completed a landsome new residence.

Walter Couch of Graniteville, S. C., has accepted the position of sec-

J. H. Bagwell has resigned as overeer of weaving at the Hoskins Mill, Charlotte, N. C., to accept a similar position at Dan River Mill No. 3, Danville, Va.

W. S. Griffin of Lumberton Cotoverseer of spinning at the Amazon Mill, Thomasville, N. C.

R. L. Cumnock of Anderson, S. C., has been elected vice-president of the Altavista Cotton Mills, Altavista,

E. A. Armstrong has been changed from night carder and spinner to

the same place in day time at the Moore Mill, Lenoir, N. C.
C. L. Upchurch of Shelby, N. C., has accepted the position of overeer of spinning and winding at the Maple Mills, Dillon, S. C.

Mill News Ten Years Ago. Greenville, S. C.—The Crown Cotton Co. is now giving consideration plans for its proposed mill that will manufacture from cotton mill

Hillsboro, N. C.—The Bellevue Manufacturing Company has begun Hillsboro, ond-hand in weaving at Warrenville, the construction of its recently announced addition and will push the

work steadily to completion.

High Point, N. C.—The Pickett Cotton Mills in the western part of the city are fast taking shape. The main building is 130 by 305 feet and will be two stories high, besides a base-

Lindsay Padgett, of Shelby, N. C., be two stories high, besides a base-has accepted the position of overment.

Seer of weaving at the Hoskins Mill, Alta Vista, Va.—Work was begun SEND YOU Monday on the factory building of OUR
W. M. Southern, of Petersburg, the Alta Vista Cotton Mill after six Va., has accepted the position as months idleness. At a stockholders second hand in carding at the Lily meeting B. L. Cumpock of Anderson months idleness. At a stockholders meeting R. L. Cumnock of Anderson, second hand in carding at the Lily meeting R. L. Cumnock of Anderson, Mill, Spray, N. C.. S. C., was elected vice-president and P. S. Boyd, superintendent of the general manager of the company Mooresville (N. C.) Cotton Mills, has and instructed to complete the factory and fifty cottages for employees

art's Draft, Va.

J. C. Jolly, day spinner at the Moore Mills, Lenoir, N. C., has taken both carding and spinning at Secretary of State to the incorporations of the Woodside Cotton Mills at the same mill.

B. W. Bircham has resigned as Company, Greenville, S. C., with a B. W. Bingham has resigned as Company, Greenville, S. C., with a overseer of carding at the Lockmore capitalization of \$3,000,000. The in-Mill, York, S. C., to become superincorporators are John T. Woodside, tendent of the Marcia Mfg. Co., T. Q. Donaldson, E. F. Woodside, B. Grouse, N. C.

A. Morgan and J. D. Woodside,

Logan-Pocahontas Fuel Co.

General Offices: CHARLESTON, W. Va.

SHIPPERS OF

NEW RIVER and POCAHONTAS MINE RUN and PREPARED SIZES

ALSO HIGH VOLATILE COALS FROM

Kanawha and Guyan Districts

Black Star, Comet, Molus and Bear Branch mines in Harlan county, Ky.

L. E. SOMERVILLE, Vice Pres. American Nat'l Bank Bldg. RICHMOND, VA.

Carolina Sizing & Chemical Company CHARLOTTE, N. C.

Manufacturers of O. K. PRODUCTS

O. K. TALLOW SOLUBLE OILS O. K. SIZING TALC

Our Navy Special Waterproof Leather Belt

In Modern Plants

is a necessity.

Its soft, clinging surface; its perfect pulley adhesion and its being absolutely waterproof, make it

THE BELT

for the weave room or dye house.

Baltimore Belting Co.

BALTIMORE, MD.

Southern Branch SPARTANBURG, S.C.

SOUTHERN EXTILE BULLET

Published Every Thursday by CLARK PUBLISHING COMPANY

Offices: 39-41 S. Church St. Charlotte, N. C.

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Address all communications and make all drafts, checks and money orders pay the purpose of having them do in in their pockets and a mission in able to Clark Publishing Company, Charlotte, N. C.

THURSDAY, MAY 19, 1921

Lectured on Sectionalism.

Our esteemed contemporary, the Textile World of New York, has seen fit to read us an editorial lecture and a charge of sectionalism. to accuse us of "deplorable section-

"It is definitely known that some New England cotton manufacturers, New England mills. but we hope only a few, have conunionize the South."

It would require a very vivid imagination, and possibly a very strong "deplorable sectionalism." inclination to defend the sinners, for anyone to base upon that statement

The Southern cotton mills attend to their own business and never in Their accusations are based upon their history have they or any part share our contempt for those who 470 members in attendance. the following editorial statement: of them shown any inclination to in- seek to injure competitors by such terfere with the operation of the methods.

der to reduce competition.

A commission merchant of New York, whose veracity can not be men were practicing immorality challenged, told us of his recent con- and yet not be guilty of condemning versation with a prominent New the entire Chinese race or we might England cotton manufacturer in state that some Texas oil promoters which he boasted of his contribu- were dishonest without condemning tions to the fund being used in the the entire Texas oil industry. Likeattempt to unionize the Southern wise we can criticize a few selfish cotton mills. The Southern Textile cotton manufacturers in New Eng Bulletin has never hesitated to fight land without being guilty of sectionthose who, either from within or alism. Two months ago the treaswithout, have sought to throw mon- ury of the United Textile Workers key wrenches into the machinery of of America was depleted and they an especially strong contempt for work. Two weeks ago, like a flock those whose motives are actuated of black birds, they flew from New

Charlotte mills last year is far less plied with the sinews of war. of a cur than the New England cot- Maybe they found a pot of gold a jury to his competitors in the South. their hearts.

The Textile World would have us keep silent when we know positively ism" to hazard a guess so we will that such a contemptible act has leave the question with our readers been done and they accuse us of

We do not believe and have never intimated that any large number of have contributed to any such fund Ga., last week was very well atand we believe that most of them tended, there being approximately

On the other hand, it is well land cotton manufacturers have Atlanta certainly deserve the thanks tributed toward the fund that is be- known that the movement for the through their contributions assisted of all the members of the associaing used by the organizers to try to Federal Child Labor law was financ- in the union labor drive on the tion for their hospitality and the ed to a considerable extent by New South and we have no apology to splendid entertainment. A list of

England cotton manufacturers in or- make to anyone for expressing our opinion of them.

We might say that some Chinathe Southern cotton mills and has had no funds in sight for offensive by the desire to injure competitors. England and alighted at various The labor union official who at- points in the South. They are cocky tempted to dynamite one of the and boastful and evidently well sup-

ton manufacturer who furnishes the end of a rainbow or a rich uncle money to labor union organizers for died or a fairly godfather put gold

It would be "deplorable sectional-

The Atlanta Meeting.

The annual meeting of the South-New England cotton manufacturers ern Textile Association at Atlanta,

The entertainment features were more than could have been expected We do know that a few New Eng- and the textile and allied interests of



ainment fund is published else- tunity for discussion as was desired, tional meetings. The first session ing over to President H. H. Boyd where in this issue. The program It was realized, however, that the was called to order at 9:30 Friday and Jno. W. Clark of West Durham, was somewhat of a disappointment, same amount of practical discussion morning by Frank G. North, chair- N. C., delivered an elegant response as several speakers failed to appear can not be secured at the annual or man of the Atlanta meeting.

prepared address of welcome.

those who contributed to the enter- and there was not as much oppor- semi-annual meetings as at the sec- Mr. North then turned the meet-

After the invocation W. R. C. President Boyd then delivered the Smith delivered an able and well president's annual address which dealt in a thoughtful manner with



Gordon A. Johnstone, Winnsboro, S. S., New President Southern Textile

When Competition's Keen

When it's necessary to cut down the assembling cost of your product, maybe we can help you as we have helped

With speedy, accurate Automatic Screw Machines, we are equipped to make parts for nearly every kind of manufactured product-in small or large quantities-in steel, brass or other metals—from the smallest diameter to 21/4 inches.

But there's another service which you get without charge -the creative service of our Planning Department. It enabled us to save one manufacturer thousands of dollars and to eliminate a complete operation for another-substantially reducing the cost of his finished product.

What we can do for YOU depends entirely upon your special problem. We'll be glad to have you discuss it with us by letter, wire or phone.

Screw Machine Products Corp.



Ten Hundred Two Eddy Street

Providence Rhode Island



with the need of the Textxile Foun

The Saturday morning session of

the Association was called to order

at 9:30 o'clock by President Boyd.

ners Section, completed his repor-

and there was a lengthy discussio

In the absence of C. S. Tatum o

The business session was next in

President, Gordon A. Johnstone

order and the following officer

Texas his address was ordered

printed in the proceedings.

Carl Harris, chairman of the Spin.

the problems confronting the industry and with the work of the Southern Textile Association.

Marshall Dilling of Gastonia, N. C. chairman of the Carders Division, made his report relative to the work of his division. Few men have done as much real work for the Association and under his guidance the Carders Division has made great progress.

The discussion that followed was led by W. B. Campbell, Ralph Webber, A. F. Briggs, E. O. Edwards, F. Gordon Cobb, W. M. Darby, L. L. Brown, E. O. Edwards and Gilliard of Pelzer. This discussion as well as the other practical discussions will be published in full in our issue of next week.

Carl R. Harris, chairman of the Spinners Division, interspiced his John W. Clark, West Durham, N. C., report with discussions and it was therefore necessary to adjourn before its completion but a motion was made to continue same at the Sat- ed a number of members told of divisions and textile press represenurday morning session.



A. B. Carter telling Milton Smith a funny joke.

At 12 o'clock the members left on special street cars for the Georgia School of Technology where they in- ficers of the Southern Textile As- ern Textile Bulletin. spected the A. French Textile sociation including the past presi-School.

At 2 o'clock they were entertained at lunch in the college dining room and then met in the Y. M. C. A. auditorium for the afternoon session of the convention.

S. B. Rhea, chairman of the Master Mechanics Division, had prepared the exceedingly able and comprehensive report which will be found published elsewhere but on account of the limited number of master mechanics present asked to be allowed to make only a short verbal report.

S. R. Lybrand of Union, S. C., acting for W. H. Gibson, Jr., chairman port for that division. .



New Vice-President and Chairman Finishing Section.

During the discussion that follow- dents and chairmen of the various man, Inman, S. C. meeting of the Weavers Division.

Cloth Room and Finishers Division, tion. made a short report which was followed by an interesting discussion upon the possibility of establishing standards for determining the point at which each line of goods should be classed as seconds.

At the close of the afternoon session the members were guests at a baseball game between Georgia Tech and Washington and Lee Uni-

At 6 o'clock a banquet was held in the Roof Garden of the Ansley Hotel. Approximately five hundred were seated at the tables and a very extensive program of cabaret and vaudeville entertainment was given.

After the banquet the members attended a performance at the Howard Theatre which is probably the finest theatre south of New York.

Saturday, May 14th.

At 7:30 Saturday morning the of-



J. A. Chapman, Jr., Inman, S. C. Chairman Board of Governors.

tests that they had made since the tatives met for breakfast at the Piedmont Hotel for the purpose of Jno. W. Clark, chairman of the discussing policies of the Associa-

> Those present were President H. H. Boyd, Vice-President Gordon A. Johnstone, Past Presidents M. G. Stone, W. M. Sherard, Marion Davis, T. M. McEntire, F. Gordon Cobb, F. Heymer and Chas. F. McCall, Secretary A. B. Carter Treasurer and Chairman of Carders Division Marshall Dilling.

Others present were S. R. Rhea, chairman of Master Mechanics Division; Jno. W. Clark, chairman of Cloth Room and Finishers Division; Carl R. Harris, chairman of Spinners Division; S. R. Lybrand, acting chairman of Weavers Division; T. W. Mullen and J. A. Chapman, Jr., member of Board of Governors.

The press representatives were Arnold of Cotton, Escott of Mill for three years, Geo. W. Murphy, La News, Oliphant of Textile World Grange, Ga.; H. K. Hallet, Camden and Clark and Lowrance of South- S. C.; Jno. F. Long, Douglasville

The discussions dealt very largely

Winnsboro, S. C. Vice-President, Jno. W. Clark West Durham, N. C.

dation.

on spinning.

were elected:

Secretary, A. B. Carter, Greenville

Treasurer, Marshall Dilling, Gastonia, N. C.

Chairman of Board, J. A. Chap

Members of Board of Governors



J. H. Howarth, Supt. Lanett Cotton Mills, Lanett, Ala.

Ga.; Frank J. Clark, Anderson, S.

Members of Board for two year to fill vacancy of Jas. A. Chapman Jr., Jno. D. MacAuley, Piedmon Ala.

On motion of David Clark it wa voted to hold the fall meeting a Charlotte in September.

After a discussion of the work o the Association the meeting ad-

C. S. Tatum of Brenham, Texas, who was to have delivered an ad dress on "Research Work in Texa-Mills," could not be present, as he is changing from superintendent of South Texas Cotton Mills, Brenham. Texas, to superintendent of Bonham Division, Consolidated Textile Corporation, Bonham, Texas. The address he was to have delivered is being published in this issue on



of the Weavers Division, made a re- M. G. Stone, Peter Quinn and G. P. Jetter, Waiting for the Dinner Whistle to Blow.

Sidelights On The Atlanta Convention knew the weight of the squeeze roll

eir managers' meeting he the Lord he had his carder along help him out," as the overseers e the men who know the solution

convention was a good one and will give those attending an opportunity be prepared to answer and ask questions intelligently.

A new patent clamp to fasten spinning tapes is being developed by some of the overseers of the Winnshoro Mills and will soon be ready for the market. This clamp is said to hold the tape until it wears out.

The Rotary Convention Hall on the ninth floor of the Piedmont Holel was an excellent place to hold a textile meeting. There was ample room and yet nearly every chair was filled.

W. M. Sherard of Whitmire is well known at Southern Textile Conventions and takes an interesting part. Mr. Sherard is on the Foundation Committee and deeply itnerested in he work of the Association.

Frank Webber, from Clover, S. C. always brings some interesting in-formation to the conventions. He did that this time and also brought his good wife and a handsome set of twin boys.

"Mack" Sherard is interested in every good thing about his mill but we believe his hobby is the Whitmire band and orchestra. Two or three of his band boys will go on a big trip with the Shrine band of Greenville to Indianapolis and Ha-

Gordon Johnstone wanted the resolution recommending the endorsement of movement of the ladies to wear cotton dresses amended and ask them to wear them a little longand a little higher and use a title more cotton. The amendment was not passed and the women may ontinue to wear them short if they ant to.

The convention enjoyed very uch the ball game between Geor-a Tech and Washington and Lee. any of the mill men were for Tech

The dress parade that flows by the edmont Hotel on Peachtree street uring the afternoon was unusually tractive to many of the visitors. ne man said it was more of a hosry parade than a dress parade.

Every man at the convention was nterested in the new fibre spinning ravelers being shown by T. M. Me-olyre of Rhodhiss, N. C. These new plyre of Rhodhiss, N. C. These new ravelers are being tested fully at Rhodhiss before putting them on the market. McIntire claims that they increase the breaking strength of any yarn 8 to 10 pounds no matter now high it is at present. This is

Gordon Johnstone said that many claimed to be the first improvement mes when discussions come up at in travelers in many years,

J. R. Corley, head of the testing department of the Shawmut Mills, Shawmut, Ala., was at the conven-The decision to print the reports ington, where he will purchase of the sectional chairmen before the equipment for their new laboratory.

> It was a long time until lunch at Georgia Tech but everybody was satisfied when it was over.

> There was nothing but praise from the lady visitors for the entertainment given them by the ladies of Atlanta committee.

> That was some dinner at the Ansley Hotel. More than 400 were pres-

> Ask Fred Cochran of the Charlotte Leather Belting Company, Charlotte, N. C., what it was he found in his berth on his return to Charlotte Saturday night. Anyhow, it ran him out.

The invocation by Doctor Richard Orme Flinn at the opening session was said by many to be the most earnest and fitting prayer ever offered at a convention of textile men.

Gordon Cobb said: "I feel that if we keep up the work we have started, it is only going to be a short time until the mills of the whole United States is going to look for-ward to the minutes of the South-Textile Association meetings something that they cannot find in text books. It is going to be information compiled by practical men, something the textile industry has never had before.

W. H. Gibson, Jr., chairman of the weavers' section, was missed at the Atlanta meeting. His paper was read by S. R. Lybrand of Union,

Reports at the convention show that numerous tests have been made since the sectional meetings were during the winter.



Just Waiting for Dinner.

on their slasher.

Mr. Howarth of Lanett, discussing the standardization of cloth as to firsts and seconds said that the classification was in the hands of the Almighty.

C. S. Tatum of Brenham, Texas, who was to have read a paper on "Textile Research in Texas was unable to attend but sent copy of his speech. This was not read but ordered incorporated in the min-utes. It is also given in this issue of the Southern Textxile Bulletin.

The next semi-annual meeting will be held in Charlotte, N. C.

W. P. Leister of Seneca, S. C., was showing a new patented crank shaft year which can be put on in a few minutes without removing crank shaft.



Prof. Doggett of Clemson and J. O. Edwards, General Overseer Carding. Lancaster, S. C.

Program American Cotton Manufacturers Association.

The program of the Silver Jubilee Convention of the American Cotton Manufacturers Association to be held at Bellevue-Stratford Hotel, Philadelphia, May 27-28, is as fol-

Friday, May 27. Invocation—Rev. C. W. Wadsworth, Jr.

Address of Welcome-Mayor J. Hampton Moore.

Response-Gen. L. D. Tyson. Announcement of Committees Address-Hon. John Hays Hammond.

Address-Dr. Hollis Godfrey.

Afternoon Session. Address—Dr. Thomas S. Adams. Address—Hon. A. W. McLean. Evening Session.

Banquet at Bellevue-Stratford. Toastmasters — President Johnson

and S. W. Cramer.
Address-U. S. Senator J. Thomas

Saturday Morning Executive Session Reports of Committees. Election of Officers.

Adjournment.



"A Couple of Draper Boys." Peter T. Quinn, C. L. Williams. **Encourage Use of Cotton Goods.**

Atlanta, Ga.-The movement to encourage among the people of the South the use of cotton goods in preference to any other kind whenever it is possible to make cotton answer the purpose, is spreading rapidly, according to Atlanta merchants and business men. Cotton men point out that more general buying of cotton cloths will create greater demand for raw cotton, and the increased raw cotton demand will mean a higher price for cot-The result will be, they show, that the cotton grower will be enabled to sell the cotton he has been holding off the market and the crop that he soon will have coming on, and through such sales he will be able to pay the business men who have been furnishing him or the banks who have let him have money. Every one in the South, it is asserted, will receive some benefit.

"While many thousands of cotton growers have declared their intention of planting not more than half the usual acreage in cotton this year, millions of bales of cotton from last year's crop still are unsold and even half a crop of cotton this year cannot restore the price of the staple unless there is a heavy increase in the consumption of cotton goods,' declares Hon. J. J Brown, Georgia commissioner of agriculture.

The "Wear Cotton Dresses campaign, which was started recently by women in different sections of the South, has been taken up in Atlanta with renewed vigor. Merchants are displaying cotton goods as they have never done before and in the Peachtree Arcade, in the heart of Atlanta, which draws thousands of shoppers every day, the window displays of the various merchants suggest in most attractive style the use of cotton wearing apparel. Theh Arcade merchants have also enlisted the co-operation of a number of womens organizations, which are located in the building covering this thoroughfare, to encourage people to put aside silk and wool and to wear only clothes made of cotton.

MILL NEWS ITEMS OF INTEREST

Mount Holly, N. C.—The Globe Yarn Mill, Inc., has started up night

Anniston, Ala. — The Woodstock Cotton Mills will issue bonds for \$200,000 for enlarging plant and installing additional machinery.

Whitmire, S. C .- All the street work started by the Glenn-Lowry Manufacturing Company, Whitmire, S. C., has been completed.

Wichita, Kan.-The new local building to be erected by the Bemis Brothers Bag Company, St. Louis, Mo., will be situated at Second street and Rock Island avenue. It will be a three-story and basement ware-house, 140 by 300 feet, brick and reinforced concrete. Plans are being

Greenville, S. C.—Formal dedicatory services of the Woodside Methodist church, recently completed at the Woodside Mill village and used only for two or three weeks, was held in the new house of worship Sunday morning with services starting at 11:15 o'clock, and a large congregation present. This structure is to be used jointly by the Methodist and Presbyterian denominations.

Huntsville, Ala.—Jos. J. Bradley, general agent of the Merrimack Manufacturing Company, which operates two cotton mills in Huntsville, has been in Boston conferring with the directors and stockholders of the corporation. The Merrimack mills are running four days a week, and is stated that there is no further reduction of time contemplated. The Lincoln Cotton Mills are still running on full time making duck for mail sacks on a Government con-The Margaret Mills are running on full time night and day.

Chester, S. C .- With a few minor exceptions, the big Baldwin Cotton Mills here have been able to run on full time, both night and day, during this period of business depres-They made some changes in sion. the style of cloth they had been turning out lately, and, through this, were able to keep the mill running on full time. The newest change has been from five-yard sheeting, 20s yarn, to six and one-half yard staple goods, 30s and 40s count. The Baldwin has changed from sevenounce osnaburg to four and one-half yard outing goods, and has found a good sale for them.

Fans for Efficiency.

Folder 4455, entitled "Fans for Efflciency," which is descriptive of the Ventura Fans, has just been issued by the Westinghouse Electric & Manufacturing Company. This is a two-color folder

Standard Textile Mill Lighting.

"Standardized Textile Mill Light-

E. S. DRAPER

CHARLOTTE

NORTH CAROLINA

LANDSCAPE ARCHITECT and CITY PLANNER

MILL VILLAGE DEVELOPMENT

MEES & MEES ENGINEERS

Transmission Lines, Municipal Improvements Highway Engineering

Steam and Water Power Plants

Surveys, Reports, Design, Supervision of Construction CHARLOTTE, N. C. Third Floor Kinney Building



Overheating is Costly

Controlled heat avoids waste and loss of material, preserves the health and energy of your workers and speeds up production.

The Powers Heat Regulator

There is need for Powers Regulation wherever uniform temperatures are necessary—in the leather dryers, ovens, kilns, hot water tanks, acid baths, etc. A type for every requirement.

We have been manufacturing heat regulators irty years and our experience is at your ser Write for Bulletin No. 138.

The Powers Regulator Company

Specialists in Automatic Heat Control
984 Architects Bidg., NewYork 595 Boston Wharf Bidg., Beston 2759 Greenview Ave. Chicago
The Canadian Powers Regulator Co., Ltd., Toronto, Ont. (1224)
Sou. Representatives "ASKUS" Ira. L. Griffin, Greenville, S. C.
Gay L. Morrison, Charlotte, N. C.





You know that drive in your plant which just eats up belts-it's a holy terror to keep equipped-

-that's where you need a CHARLOTTE Leather Belt. We can install a Charlotte Belt on your pulleys that will make you forget you ever had trouble in that quarter. Try us.

Charlotte Leather Belting Co. Charlotte, N. C.

ing" is the name of a recent pam phlet published by J. E. Sirrine Company, engineers, Greenville, S. C. This booklet gives an outline of the lighting system of the Easly Cotton Mills, Easley, S. C., and is neatly illustrated. It represents an effort to standardize the lighting of testing. to standardize the lighting of textile mills and contains much interesting

Mr. Eddleman Attends Convention

F. Clemment Eddleman, of Philadelphia, representing the Holbrook Rawhide Company, Providence, R. I. attended the textile convention at Atlanta and will spend several days in the South. Mr. Eddleman made several calls on his customers to the meeting and reporting business very good, having taken some large or ders for pickers.

The Holbrook Rawhide Company is one of the oldest manufacturers of pickers in this country and their well known "H. K." brand pickers are used in many Southern mills.

Mr. Eddleman also sells Victory spinning and twister tape manufactured by Hope Mill Supply Company of Providence, R. I.

Rubber Spinning Rolls.

W. P. Leister and H. B. Reynolds of Seneca, S. C., have invented and are putting on the market rubber cots for spinning and roving frame rolls.

The cots are molded of a special composition of rubber and are screwed on by means of a spiral threads which are turned on the rolls.

Some of these rubber covered rolls have been running on spinning frames at Seneca and Greenville for a long time and are reported to have given entire satisfaction.

We understand that the inventors will organize a company and put their rubber covered rolls upon the market.

Toxaway Mill Dividend.

Anderson, S. C .- Toxaway Cotton Mill has declared a semi-annual dividend of 5 per cent, payable. July 1 It is also reported in the local man ket that the Clifton Manufacturing Company, at Spartanburg, has de clared a 4 per cent dividend, pay able on the same date.

"30-30."

A little booklet entitled "30-30" and meaning 30 per cent of cost returned for more than 30 years has just been mailed out by the American Mutual Liability Insurance Company of Boston and explains the safety, savings and service of their policies. The book contains some valuable information as well as interesting charts and illustrations.

Cotton Pageant Postponed.

The annual spring cotton pageant

which was to have been given at Ballou Park last Saturday by the welfare organization of the River-side and Dan River Cotton Mills at Danville, Va., was postponed on account of rain. This big event will given at an early date.

Victor Monaghan Declares Quarterly

At a meeting of the stockholders f the Victor-Monaghan Cotton Mills, held last week in Greenville, S. C., a quarterly dividend of two per cent on the common stock, payable June i. and of 1% per cent on the preferred stock, payable July i ,was declared.

At the same time, W. E. Beattle, president of both the Victor-Monaghan Company and the Piedmont Manufacturing Company, announced the declaration by the Piedmont Mill of a regular semi-annual dividend of 4 per cent, payable July 1

In addition to the declaration of dividends, the Victor-Monaghan directors voted to retire \$80,000 worth of outstanding 5 per cent preferred stock. The stock is to be purchased on a competitive basis, and it was reported that some has been offered at slightly less than par.

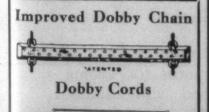
Zebulon Hosiery Mills Adjudicated Bankrupt.

The Zebulon Hosiery Mills, of Zebulon, N. C., on its own petition, was recently adjudicated a bankrupt by Judge Henry G. Connor, of the United States District Court, and the case referred to Joseph B. Cheshire, of Raleigh, referee in bank-

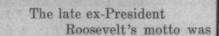
The petition, which was filed by

SYDNOR PUMP & WELL CO.

Richmond, Va. Supplying Cotton Mills with Water for 30 Years



Rice Dobby Chain Co. Millbury, Mass.



Be Prepared!

Anticipate your warm weather requirements and order

Puro Coolers NOW

DON'T DELAY.

40 Feet Coil Pipe-Cover with locking device and rubber washer, making an air tight Tank-equipped with PURO Sanitary Drinking Fountain.

Puro Sanitary Drinking Fountain Co. Haydenville, Mass.

Southern Agent E. S. PLAYER, Greenville, S. C. T. J. Horton, president of the concern, shows liabilities of \$105,000. The assets consist entirely of the plant and stock, the amount of cash on hand and in bank being given at \$23. Of the liabilities, \$60,000 is in mortgages and approximately \$35,-000 in notes.

The mill was established about five years ago. Prior to that time, Mr. Horton was associated with the Carr interests in Durham.

Kincaid Knitting Mill is Sold for \$55,000.

Juliette, Ga.-The Kincaid Knitting Mill, the appraised value of which was \$85,000, has been sold by Robert Cumming, attorney for Trus-tee Allen Little, to the Griffin Hosiery Mill and H. V.-Kell for \$55,-

The purchasers have not decided whether they will dismantle the mill or operate it. The mill began operations during the war, and was making a great success before thrown into bankruptcy by the subsequent financial depression. It was a stock company, and many of the most prominent and influential business men of Griffin were interested

GUDE & CO.

All classes of building construction promptly and efficiently executed at reasonable prices

CANDLER BLDG.

ATLANTA, GA.

NEW PATTERN

with continuous angle and bottom corner construction. and one-piece steel bottom band.

TRIAL MEANS SATISFACTION

NO WASTE Seamless Cans Oval Cans Gill Cans Barrels Taper Baskets

More Particulars Upon Application

25 Miller Street

Plain HARD Fibre Cars Comber Boxes Doffing Boxes Bobbin Boxes Self-oiling truck

Standard Fibre Co.



Keystone Copper Steel

GALVANIZED or PAINTED
Write now for Booklet No. 40 and Price List and find out about this long life Metal before buying.
CHATTANOOGA ROOFING & FOUNDRY CO.
Chattanooga, Tennessee



WELD BOBBIN AND SPOOL COMPANY

LAWRENCE, MASS., U.S.A.

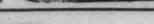
MANUFACTURERS OF HIGH GRADE

Bobbins, Spools, & Shuttles'

For Cotton, Woolen, Silk, Knitting and Carpet Mills

We make a specialty of

Threading and Works. Enameled Bot kinds of Bobbins with Brass er



THE CHOICE OF A HUMIDIFYING SYSTEM

must be one that for simplicity with great capacity and economy in maintenance produces uniformly such conditions that may be determined for the different requirements of the work. In the American Moistening Companys method of humidifying, all such requirements are GUARANTEED. Our CONDITIONING ROOM EQUIPMENT

Our COMINS SECTIONAL HUMIDIFIERS
Our FAN TYPE and HIGH DUTY HUMIDIFIERS
Our VENTILATING Type of Humidifier (Taking fresh air inte
the room from outside)
Our ATOMIZERS or COMPRESSED AIR SYSTEM
Our COMPRESSED AIR CLEANING SYSTEM

Our AUTOMATIC HUMIDITY CONTROL (Can be applied to systems already installed)
Our AUTOMTIC TEMPERATURE CONTROL
Are all STANDARDS OF MODERN TEXTILE MILL EQUIPMENTS.

AMERICAN MOISTENING COMPANY

RUSSELL GRINNELL, President

BOSTON, MASS.

FRANK B. COMINS, Vice-Pres. and Treasurer

SOUTHERN OFFICE, Atlanta Trust Company Building, ATLANTA, GEORGIA

W. T. Love Buys Bryson Mfg. Co. Receiver Named for Couch Cotton Mills, Inc.

Shelby, N. C .- W. T. Love, of Gastonia, has bought the plant of the Manufacturing Company near here, formerly known as the Buffalo Mills. The property was sold last Tuesday at public auction by W. D. Anderson, of Gastonia, receiver for the company. Mr. Love bid \$46,000 for the property, which includes the factory plant and a number of dwelling houses for the mill's employes. The mill was capitalized at \$100,000.

The mill has had its ups and downs for several years. Some years ago it was sold in receivership proceedings and was bought by C. C. Blanton and associates of Shelby. They paid \$20,000 for it. Later they put in new machinery, built new dwelling houses and made other improvements at a total cost of about \$30,000, and operated it successfully for two or three years. About a year ago they sold it to R. Hope Bry-About a son and others of Gastonia for \$100,-The depression followed on the heels of the sale and the new owners were unable to make it go, and the property was again thrown into the hands of a receiver.

The new owner, Mr. Love, has not announced his intentions with regard to the mill, stating that he was not ready to make an announce-The mill makes coarse yarns and has been operating continuously up to the time of the receivership, some three months ago.

All the other mills, six in number, at Shelby, are running on full time.

Atlanta, Ga.-On petition of three creditors, the Couch Cotton Mills, Inc., of East Point, Ga., was placed in the hands of a receiver in Fed-eral District Court here Monday. W. D. Couch, president of the concern being appointed to operate the plant pending a hearing, May 24, on whether the receivership shall be made permanent.

W. D. Couch was ordered to give a \$25,000 bond as receiver, which capitalized at \$2,225,000 and incorhe has done, and the petitioners porated under the laws of the State were required to furnish a damage of Delaware. Its principal plant is bond of \$5,000. Both the receivership and bankruptcy proceedings were involuntary. The petition cred-itors were: The Southern Textile itors were: The Southern Textile Machinery Company, of Greenville, S. C.; B. M. Graves, of Mecklenburg County, N. C., and Claude Ramseur, of Greenville, S. C. They claimed the Test Point Corporate Company of Corporate Company of Corporate Corpora accounts against the East Point Corporation aggregating \$8,049.

Judge Sibley set May 24 as the date for appearing for hearing. Petitioners charged that the corporation on May 10, while insolvent, transferred "with intent to defaud its creditors," a note for \$130,000 to the 'Manufacturers' Finance Company, of Baltimore. This note was alleged to have borne the signature of the Beaver Cotton Mills of At-The petitioners charge, further, that the company committed an act of bankruptcy on April 1 when it paid to C. H. Webb, of Greenville, one of its unsecured creditors, an open account of \$2,-

by the petitioning creditors at \$450,000. They asked the appointment of a receiver on the allegation that the real estate is rapidly de- behind on orders. teriorating and that accounts far past due are not being paid.

Mr. Couch was named the most competent man for receiver. The petition set forth that he is thoroughly familiar with all details of the corporation's operations.

The Couch Cotton Mills, Inc., East Point and branches are located in Thomson, Ga., and Green-ville, S. C. The East Point mills employ hundreds of workmen and ship cotton goods in large quantities to all parts of the country and to foreign countries. Officers of the corporation, which has no connection whatever with the Couch Bros. Manufacturing Company of Eastpoint, are as follows:

W. D. Couch, Atlanta, president: Asa G. Candler, Sr., chairman of the board of directors; L. J. Powers of Waterloo, Ia., vice-president and secretary, and Walter T. Candler. Atlanta, treasurer. It was declared by a high official of the corporation that the corporation is solvent and that this will be proven at the hearing May 24th. This official, who desired not to permit the use of his name, further declared that the corporation after taking their losses on inventory, etc., has not shown a net operating loss but that the corpora-

The total value of the property ed its properties a little too mucl owned by the Couch Mills was esti- under existing conditions accompanying the readjustment period. H also declared that the mills are an have been for some time running

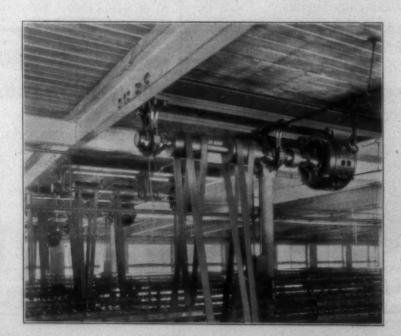
> The corporation for several week past has been conducting an adve tising campaign and planned The make the campaign a national on if responses were sufficient to wa rant such.

The Couch Mills Company was is corporated in 1917, with an author ized capital of \$350,000. W. D. Couc was president; S. H. Stark, trea urer; and L. J. Powers, secretar The mills specialized in duck, filter and beach cloth, employing 25 card and 70 broad looms. About 300 or eratives were originally employed. The product of the mills was sold direct through New York selling offices at 320 Broadway.

During the early part of April of this year it was announced Jackson Bros., of the Jackson Bros Lumber Company of Tallapoosa, Ga. \$140,000 had purchased \$140,000 common stock of the Couch Cotton Mills, Inc. At that time W. D. Couch was given as president; J. L. Powers, vice-president and secretary; and Walter I. Candler, treasurer.

H. H. Turner, attorney for the Couch Cotton Mills, Inc., issued the following statement Tuesday:

"The Couch Cotton Mills, Inc., has not been placed in bankruptcy. involuntary petition in bankruptcy has been filed against the corporation, but no adjudication in bank ruptcy has been made. The corportion probably expanded and improv- ation is not insolvent, on the con



"FOUR FRAME"

Universal Spinning Frame Drive

For The Electrification of Old Mills

Avoids Shifting of Frames

The equipment consists of a special spinning frame motor for ceiling suspension equipped with conduit terminal box; bushing type flexible coupling; adjustable hangers; shaft with paper pulleys for driving four spinning frames.

SEND FOR BULLETIN

MILWAUKEE, WIS.

hary the assets of the corporation

mch Cotton Mills, Inc., the follow-g was contained in the prospectus nt out by the corporation: Capital ock, preferred, \$1,000,000; capital ock, common, \$1,250,000 (25,000 paid in surplus, \$170,283; undivided profits, \$140,381; total, \$2,-560,644.

The corporation is the successor to the Couch Mills Co., of East Point, Ga.; Beaver Duck Mills, Greenville, S. C., and Beaver Cotton Mills, Thomson, Ga.

Folding Ladder Plant Nearly Complete.

The new plant of the Peerless Folding Ladder Company, Green-ville, S. C., is nearly completed. The modern building was designed by J. Sirrine & Company of Greenville, C., and is 60x200 feet.

The company will manufacture and sell special patented folding ladders, step ladders, straight ladders, and extension ladders. These ladders are said to be especially adapted for use by cotton mills, oil mills, painters, electricians, window cleaners, in orchards and orange groves, or in fact wherever a ladder is need-They hold up readily, and are

small, light and compact.

The officials of the company say that they have received letters from concerns in different sections of the United States wanting to become sales representatives for these lad-Some of the cities from which inquiries have been received are Chicago, New York, Seattle, Rich-mond, Charleston, Augusta, Atlanta and El Paso, Texas.

E. M. deSaussure, Jr., president, and Harry R. Wilkins, secretary-treasurer, are the managing directors of the Peerless Folding Ladder Company. The board of directors consists of S. A. Burts, F. M. de-Saussure, Jr., Edwin Howard, Stephen Nettles, J. E. Sirrine, A. C. Walkker, Harry R. Wilkins, E. F. Woodside and W. D. Workman.

Unique Advertising for Summer Season.

Charlie Nichols, proprietor of the ampion Chemical Company, has opted a unique method of adversing Asheville for summer tourists is season, by publishing an enve-be stuffer on which the Asheville is shown, together with invitation to spend the vacation Asheville and facts about the city.

President Barnett of the Asheville pard of Trade states he wishes to ve public appreciation for this exllent method of giving publicity to sheville and to express the hope at other business men wil use the Asheville heart cut on their stationary or literature and use folders which may be secured at the local trade body for use in their correspondence to other states.

repartion will vigorously oppose sky.' Where the old grow young, sist you otherwise to make young proceedings."

In the recent reorganization of the life will be prolonged many years. "Yours very truly,

The announcement made by the Purest water on earth; air clean, ary the assets of the corporation The announcement made by the Purest water on earth; air clean, "CHAMPION CE to be in excess of \$2,000,000, while the chemical company follows:

"Announcing the Summer Season of pleasant night; no pests to fight; as \$725,000.

"W. D. Gouch, the president, was ade receiver, but this does not spend your summer vacation in numerous to mention. If interests species of beetle are dicate that the corporation is will- Asheville, in the heart of the Blue ed, we will be glad to send you a the British Museum.

The Ridge' mountains, in the 'land of the booklet about Asheville, and will assemble and will assemble and accountains, in the 'land of the booklet about Asheville, and will assemble and will assemble and accountains, in the 'land of the booklet about Asheville, and will assemble and will assemble and will assemble and accountains are received. to make your

"CHAMPION CHEMICAL CO. "P. O. Box 23, Glen Rock Station, Asheville, N. C."

One hundred and fifty thousand species of beetle are represented in

are more than 750,000 women school teachers in the United States

SOME HIGH POINTS

American Mutual

More than \$200,000,000 of textile payroll is insured by the American Mutual.

Of the 741 textile manufacturers who are among our policyholders, 147 have been with us for more than 10 years.

On our Board of Directors of 35 men, 19 are textile manufacturers.

For the past five years 94% of our policyholders have renewed their policies with us and our business has increased 530% in that period.

A saving of \$300 has been effected by every policyholder on each \$1,000 of premium which he has paid for protection.

American Mutual is the oldest, largest and strongest mutual casualty company in America.

Workmen's Compensation and Complete Automobile Insurance is now to be had from the American Mutual and Allied American Mutual.

> Your copy of the booklet titled "30-30" which amplifies these high points will be mailed upon request



of BOSTON

Thursday, May 19, 1921.

Report on Weaving.

(Continued From Page 26)

don't forget this point: probably some information that may not mean so much to you, or that you would not think so much of, might mean a great deal to some one else, and be of great good to them. So the more information that can be brought together can be condensed in these sectional meetings, and we feel that every one would get a good return for their time and efforts when you help the other fellow, as we all have our blue days, and there are times when we would appreciate information on what some one else is doing to overcome difficulties, and there are so many questions surrounding the slashing and weaving department of the cotton that too much thought cannot be given to this department, as many of us realize that the weaving end of the cotton mill is the from the weave room are the basis on which everything in regard to the success of the mill depends, and there are many details, such as the setting of looms, the importance of setting the take-up, the let-off, the harness, the hoop roll and the has its bearing upon the appearance of your finished products. Also a little effort on the part of keeping the selvages of your goods as with the sales of your goods. I think that many of the mill men, and of being handled right in many ways. United States was the operatives also, see so much For instance, the writer had occa-Rome, N. Y., in 1851.

is given unusually rough treatment, going good, making an and does not leave the weave room end is soiled, the cloth is wrinkled, a large selvage on one side and a small one on the other, which has a great deal of bearing on the cloth when it is put in the finishing works, gives the mill a black eye finishing and makes it much harder for the mill to dispose of their goods than would if they were handled in the proper manner. Of course, there is always room for the weaver come back with the argument that in order to turn out a high percentage of production, and a lower percentage of seconds, it is necessary, which we admit, to give him good material with which to turn out good work from hsi depart-ment, but even with the best yarn money end. The results obtained conditions and everything as near right as it is practical to have it, it can be ruined in the weave room, and particularly in the slasher room. If proper care is not taken in the slasher room, you cannot expect to have good weaving. We do not recommend or condemn any sand roll. Your vibrating hoop roll particular sizing, as there are many good materials on the market, but we do think that this is a very vital question, which every man should consider, as to what he is dumping well as the general appearance of into his size kettle, and many good your cloth, has a great deal to do sizings do not give good results because of improper formulas, and not that many of the mill men, and of being handled right in many ways.

cloth until it is only a natural ten-sion a few years ago to observe. The dency or human element that they mill which we were operating on lose respect for cloth. Therefore, it 30s yarn, and the weaving was not unusual amount of waste. It was discovered D. B. or cloth room in the very best of that the sizing in the size vat was T. condition, but on the other hand the so high, or so full, that the proper D. heat could not be obtained, there- R. L. come off and were put into waste, but with the same sizing and the same yarn, the sizing was changed from cooking on the 40 minute rate to cooking it one hour and reduced vat, and the temperature in the size vat was increased from about 160 F to 200. After this change was made, the production increased considerwaste was cut down to a very satisfactory amount.

We do not wish to burden the Association with any further com- And the jolting will tone up your ments. However, in the next weav- liver." ers meeting, we hope to have every overseer of weaving and superin- Friend Neighbor: "What makes tendents present, and more of the new baby at your house cry so men will take part in the discussion, bringing all the information that is possible to obtain, and let us see if the ideals of the officers of the Southern Textile Association cannot be realized.

The first cheese factory in the established at

Hillsboro, N. C. W. KnightSup D D. B. Dwiggins....2d Hand Spinnips H. C. Eddman.....Loom Fixe eo. R. Plott.....Loom Fixe J. F. Richerson Loom Fixe Earnest Riley.....Loom Fixe Eugene Terrell.....Loom Fixe

All in the Spring.

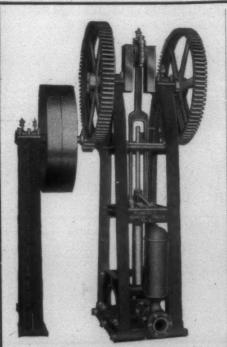
ably, and the seconds decreased to A girl bought a second-hand flivver; a very noticeable degree, and the On advice that the doctor had give

her; Said he, "Now the rides Will improve your insides,

much, Tommy?

Tommy: "It don't cry so much and anyway, if all your teeth were out, your hair off, and your legs so weak you couldn't stand on them, I guess you would feel like crying yourself."

There are more than 800 printing plants in New York city.

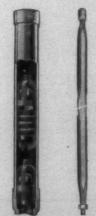


Working Head for Belt Drive

Rumsey Deep Well Pumping Outfits

The Rumsey line of Deep Well Pumps includes a complete range of up-to-date machinery mill water supply from open or drilled wells of any depth and for use in connection with open reservoirs or pneumatic storage tanks

Strength and accessibility are accomplished in the Rumsey designs and best use is made of the differential plunger, large air chamber capacity, artesian cylinder with removable plunger and valves and buoyant wood connecting rod.



rtesian Cylinder and food Connecting Rod

Great care should be exercised in the choice of equipment. Deep well pumping is severe service for any machine and repair work requiring the removing of parts from the well is expensive. An outfit of ample size

and strength, selected to meet the exact conditions of installation will prove an investment of real value.

Recommendations and prices on Deep Well Pumps suitable for any working condition will be offered on inquiry, giving full particulars of the proposed in-



Working Head for Electric Drive

Steam Turbines and Centrifugal Pumps DeLaval Steam Turbine Co.

Trenton, N. J.

Condensers and Cooling Towers Wheeler Condenser and Engineering Company Carterêt, N. J.

J. R. PURSER

SALES ENGINEER

406 Commercial Bank Building CHARLOTTE, N. C.

Triplex and Deep Well Pumps Rumsey Pump Co.

Seneca Falls, N. Y.

Fans and Blowers Ilg Electric Ventilating Co. Chicago, Ill.

know how much of the cotton— The Oldham area is by far the eryover reports already published biggest spinning district, there be-exaggeration and how much is ing 243 firms, 17,329,876 mule and tually "gospel truth," if the Gov-ring spindles, 256,200 doubling spinnent, instead of merely report-dies and 16,091 looms. There is an ould compile accurate statistics

ormation would be of inestimable hue to the entire cotton industry, spinners and weavers would know what extent they must rely upon new crop to supply their reirements for first, second and ird grade classifications. quirements for first,

The above is a condensation of an article appearing in a recent edition of The Financial Age, in which if is believed that, while the sea-son's carryover is large, more than half of it consists of unspinnable fiber which is a residue of the war

Of present conditions, the article

"There are no specifications as to the weight or grade of each individ-ual bale and how many bales will grade up to the highest classification and how many are of lower classifications are unknown to the banker and frequently to the dealer, or, as they are commonly called, 'commission merchant.' The integrity of the commission merchant or his firm is relied upon as to the cotton being marketable in every respect. That does not mean that the cotton so negotiated is marketable for all purposes and usages to which cotton fiber is applied. The highest grades of the fiber are bought by weavers of high grade cotton cloths and spinners of cotton thread. The secand third grades are consumed by mills producing commodities where cotton fiber forms a component part or a large percentage of the ingredients employed in turning out a finished product such as rubber hose, automobile tires, asbesscreens, curtains and packing and numerous other articles of univarsal use in every branch of indus-

try and enterprise.

"All the cotton that is raised, ginned and packed is not by any means suitable for the purposes above mentioned. Or to be more specific, only about 60 per cent of a season's crop will classify in the first, second and third grades. The other 40 per cent is therefore unsumable and at times and under tain conditions, unsalable

Decrease in Lancashire Mills During Past Year.

danchester, Eng.—There has been reduction of 15 firms, 26,148 spin-s and 7,684 looms in the Lancare cotton industry during the past

Would Have Government Classify against 7,974 firms, 57,996,518 mule and ring spindles, 2,082,876 doubling spindles and 798,083 looms 12 months

uld compile accurate statistics decrease of 697 looms in this dis owing the amount of each grade trict. Bolton comes next with 109 rotton in the visible supply. firms, 7,455,523 mule and ring spin-with the promised curtailment of dles, 182,632 doubling spindles and tion acreage and consequent fall- 23,316 looms, an increase of 32,956 off in the 1921-1922 yield, such spindles and decrease of 448 looms. spindles and decrease of 448 looms. Manchester has 127 firms, 3,483,232 mule and ring spindles, 669,802 doubling spindles and 23,228 looms, a decrease of 121,852 spindles and 436 looms. Rochdale's figures are 114 firms, 3,734,893 mule and ring spindles, 113,482 doubling spindles, 583 looms, an increase of 139,084 spindles and a decrease of 1,950

> In the weaving districts Burnley has the largest number of looms, the full figures being 145 firms, 543,920 mule and ring spindles, 1,000 doubling spindles and 109,940 looms, there being an increase of 4,000 spindles and a decrease of 1,322 looms. Blackburn has 140 firms, 1,187,784 mule and ring spindles, 2,000 doubling spindles and 94,880 looms, a decrease of 19,477 spindles and 5,960

Miller Cotton Mill.

waco, 1exas.
W. D. Ingle Manager and Supt.
Dewitt KellerAsst. Supt.
J. W. FowlksCarder
J. H. Heath2nd Hand Carding
J. W. FolksSpinner
J. H. Heath2d Hand Spinning
J. O. FowlerSlasher
Marvin ReddSlasher
W. A. Thompson Weaver
Geo. Niles2nd Hand Weaving
J. H. HornbyLoom Fixer
Geo. ArmorLoom Fixer
W. E. ParnellLoom Fixer
S. I. DuffeyLoom Fixer
E. N. DawkinsCloth Room
E. N. DakinsShipping Clerk
R. E. Langford
W. B. Wammack. Outside Foreman
T. Dent Master Mechanic
H. E. HerenCotton Grader

Loray Mills.

Gastoni, a N. C.

Ira R. HayesAgent
William P. CargillSupt.
D. F. Cargin
D. Frank ShortAsst. Supt.
E. E. SmithEmployment Agent
M. H. McLendonCarder
C. M. Young Twisting
James B. MimsSpinner
O. C. Killian
O. C. KillianCloth Room
James W. Eury Shipping Clerk
T. J. ChurchOutside
J. C. CummingsMechanic
James W. EuryCotton Grader
William Vickres, M. C. Green
2nd Hands Carding

Southern Gypsum Walls

Attractive, Sound Vermin-Proof

The best Interior Walls for Offices, Community Building or Cottages are secured by using Southern Gypsum Company Plasters.

You can't overestimate the importance of attractive, sound, Vermin Proof surfaces. Southern Gypsum walls have no cracks or crevices for insects or germs.

Every one of the cotton mills listed below has used solid carloads of Southern Plasters. Many of them have bought in 500-ton lots.

LIST OF TEXTILE MILL JOBS ON WHICH SOUTH-ERN GYPSUM COMPANY PLASTER HAS BEEN USED.

Buck Creek Cotton Mills. Gainesville, Georgia Hillside Cotton Mills. LaGrange, Ga. Pacolet Manuracturing Co. New Holland, Georgia Thomaston Cotton Mills Thomaston, Georgia Thomaston Cotton Mills Albemarle, N. C. Crescent Spinning Mills Belmont, N. C. Cannon Manufacturing Co. Charlotte, N. C. Cannon Manufacturing Co. Concord, N. C. Carlotte, Mills Gastonia, N. C. Pomona Mills Gastonia, N. C. Pomona Mills Gastonia, N. C. Pomona Mills Greensboro, N. C. Challs, Cotton Mills Greensboro, N. C. Cabarrus Cotton Mills Greensboro, N. C. Cabarrus Cotton Mills Kannapolis, N. C. Cabarrus Cotton Mills Kannapolis, N. C. Cabarrus Cotton Mills Kannapolis, N. C. Linn Mills Mayodan, N. C. Mayo Mills Mayodan, N. C. Mayo Mills Mayodan, N. C. Mayo Mills Mayodan, N. C. Cabarrus Cotton Mills Mayodan, N. C. Rosemary Manufacturing Co. Rosemary, N. C. Rosemary Manufacturing Co. Rosemary, N. C. Rosemary Manufacturing Co. Roselingham, N. C. Rosemary Manufacturing Co. Roselingham, N. C. Rosemary Manufacturing Co. Roselingham, N. C. Rosen Mills Selby, N. C. Spindale Mills Selby, N. C. Spindale Mills Greenville, S. C. Cash Mills Greenville, S. C. Pelzer Manufacturing Co. Pelzer, S. C. Pelze	
Pleamont Manufacturing Co	
Arcade Cotton Mills	
B us Buckle Cotton Mills	
Wymojo Cotton MillsRock Hill, S. C.	
Spartan Mills	e)Vb
Ware Shoals Manufacturing Co Ware Shoals, S. C.	
Glen-Lowry Manufacturing Co	0.0
Woodruff Cotton Mills	
Riverside Mills	133
Riverside Mills	1
Carolina Cotton & Woolen MillsFieldale, Va.	1

Agents in every city in the South. Send for literature and prices to

Southern Gypsum Co.

North Holston, Va.

Seamless

with a double rolled top

Clear Entrance and Exit

The sliver always coils up evenly inside this Laminar Roving Can—there is no top sway.

Inside is as smooth as glass and finished with a moisture-proof coating. Outside painted or varnished as desired.

Ten and twelve-inch diameters.

And when you write your order for fibre trucks, baskets and cars, see that it also calls for Laminar Receptacles. Of course we make a seamed roving can -the Twentieth Century. A couple of these have been in use in the mill of the Lawrence Manufacturing Co., Lowell, Mass., since 1888-32 years of hard service and good for years

We have a new book entitled "Laminars, the Receptacle that Stands the Gaff." The regular Laminar line is described and illustrated in it. Tell us where to send your copy.

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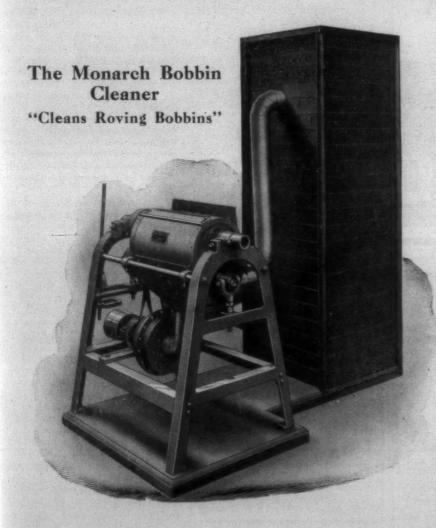


Among Those Present at Atlanta

Addy, T. E., Overseer Cloth Room, GennLowery Mr. Co., Whitnitre, S. G.
Albon, J. E., Southern Belting Go, Andron, J. C., Brownson, S. C.,
Albon, J. E., Southern Belting Go, Andron, J. C., Bookfeeper, Unit Cotton
Mill. S. Greenwood, S. C.,
Albon, J. E., Southern Belting Go, Andron, J. C., Bookfeeper, Unit Cotton
Man, J. C., Bookfeeper, Unit Cotton
Andron, R. A., Overseer Spinning, Marager, Mill. Robert, Marchael Control, Mill. Marchael Co., Woomsocket, R. J.
Shuttle Co., S

Saves TIME, BOBBINS and WASTE

Enables Spinners to run Additional Machinery



Scores of these machines are being operated by Southern Mills

Simple in Construction. No complicated parts to get out of order.

One machine will clean the bobbins from forty to fifty thousand spindles.

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KAUSTINE Equipment Makes Unsewered Villages Sanitary



AUSTINE System Toilets and Hydro-Kaustine Septic Tanks have brought conveniences and sanitation to many unsewered sections throughout the South. Attractive mill villages and contented workmen are the result.

Kaustine Systems are the equal in appearance and operation to the

most modern city water systems and require as little attention. They are sewerless and odorless, and are adaptable to large or small industrial villages.

WRITE FOR INTERESTING LITERATURE TODAY

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LOOM DROP WIRES

Made of special Heddle Wire "Satin Finish' an exclusive process. Always uniform-free from burrs. Also furnished copper or nickel-plated. Used and endorsed by leading mills.

As the largest manufacturers in the world of sewing machine attachments our facilities for quality and quantity production are unsurpassed. We are prepared to make drop wires from your own specifications in addition to our many standard designs.

SAMPLES ON REQUEST

The GREIST MANUFACTURING CO. Dept. B, NEW HAVEN, CONN.

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Caldwell Gildard Company, 108
Hartwell St., Fall River, Mass.

Southern Representative:

The G.G. Slaughter Machinery Co Greenville, S. C.



Report of Power Committee.

(Continued From Page 19) it becomes necessary to express the facts in smaller quantities. Roughly speaking 1,000 tons of coal is what a mine worker mines in a year the measure of what he contributes the world's work and well being. The human measure of 1,000 tons also has the advantage of being easily visualized as in short train loads of twenty cars of coal on its way to the varied needs of the consumer and in our brief review of the subject we will first note what are these needs-the principle of coal among

veloped as follows: 350 tons for industrial plants.

which the units of 1,000 tons is de-

250 tons for railroad.

155 tons for domestic heating and cooking.

130 tons for coke.

60 tons for export and bunker.

40 tons for coal mine fuel.

A TON

2,000 pounds of coal is made up of the following: 1,440 pounds of coke.

10,000 cubic feet of gas. 22 pounds of amonium sulphate.

2½ gallons of benzol.9 gallons of tar.The value of these by-products in 1915 was \$14.00 against \$1.00 as the price of a ton of coal at the time.

I have other figures that are interesting in the course of power problems.

Prime movers of all kinds in the United States (stationary and locomotive), 100,000,000 H. P.

Used at an average load factor, 14

per cent Developed per year, 125 billion H.

Developed H. P. day 10 Hr., 1,250

million. Water H. P. available, 50,000,000.

Coal (without lignite) in the ground, 2,50 billion tons.

barrels.

Used for power only (stationary and locomotive) on basis of present delivered resources will last:

Water power developed, indefi-

Coal used by best practice, 57,000 vears.

Coal used by average practice, 7,-500 years.

gasoline, 9.25.

Prime movers installed:

Steam plants coal fired make up 52 per cent.

Hydraulic plants make up 8.2 per

types make up 39.8 per cent.
Of power developed:

Public utilities use 42 per cent. Manufacturing use 28 per cent.

Railroads use 30 per cent. Of one ton of coal in the ground, best recovery brings to the surface

1.900 pounds. Average recovery brings to the surface 1,400 pounds.

Power to operate the coal mine

pounds.

locomotive practice

pounds.

By small individual plants aver age practice 76 pounds

The above figures show the alarm ing waste nearly 50 per cent of the average coal lost before it reaches the point transformed into power

produce the above figures show the advisability of conservi coal. It is necessary to do so n only for the company we serve a right to mankind. R. A. Van Desen in Power Plant Engineeri says: "Modern civilization in t twentieth century sense of the teris essentially on the industrial stru ture, and wholly dependent on these twin natural resources, raw manufacturing materials and energy producing materials. When these two resources are abundant and are economically developed, industrial supremacy results.'

United States Generously Endowed by Nature.

United States is most generously endowed by nature with all materials necessary to modern industrial life, including stupendous power, resources is another matter of common knowledge. That the nation is using up many of these resources at a startling rate is also generally known.

Moreover, these are reconstruction days and the power resources situation has become a question of acute and retail importance, yet its actual status is a matter which few people even including engineers are conversant.

The greatest achievement known to my knowledge that has happened within the past twelve months is the formation of the super-power survey. It is the biggest stride ever made for cheap power and the con-servation of coal will relieve freight congestion. The cost will probably exceed a billion dollars.

The dominion of the super-power company will extend from Washing Petroleum in the ground, 7 million ton to Boston and inland 120 to 150 arrels.

Mills, develop all the water cities and place large steam plants at the mouth of the mines and transmit current at 250,000 volts instead of hauling coal on railroad. Forty per cent of the freight in this district is coal and twenty per cent of that is for industrial plants and railroads in these bounds, it is estimated 10. 000,000 H. P. of industrial plants and Petroleum allowing 40 per cent 7,000,000 H. P. of railroads. In this asoline, 9.25. will be saved a million dollars per day is the statement by the best gineers in the country.

This organization was effected under the Geological Survey with offices in New York City. The engi-Combustion engines and other flees in New York City. The engines make up 39.8 per cent.

Of power developed:

Murry as chairman, Nathan C. Glo er, the chief hydraulic engineer the United States Geological Survey, Ozni P. Hood, chief mechanical engineer of the Bureau of Mine Torrin P. Inlay, division engine for the subjects of power transmis sion, Henry Butler, division enginee for industries, and Cary T. Hutchin son, division engineer for takes 100 pounds.

Turned into useful work at point been aided by the hearty co-operation of application by best central plants tion of an advisory board of the greatest engineers and leading pro-304 fessors in mechanical and electrical engineering on the continent. They 175 will make current at the mines 1%

TALLOW—OILS—GUMS—COMPOUNDS

ALSO HOSIERY FINISHING AND BLEACHINGS

A new product especially for Print Cloths. A complete warp size, requires no addition of tallow



Tallow, Soluble Grease, Soluble Olls, Guma, Glues, Gum Arabol, Lancashire Size, Waxes, Finishing Pastes, Soaps, Glycerine, Readymade cavy Size, Sago and Tapioca Flours, Dextrines, China Clay, Soluble Blue Bone Grease, Bleachers' Blue.

SPECIAL COMPOUNDS FOR WARPS, WHERE STOP MOTIONS ARE USED.

WEIGHTING COMPOUNDS FOR COLORED AND WHITE WARPS. FINISHING COMPOUNDS FOR ALL CLASSES OF FABRICS.

The Arabol best grades of cotton warp sizing compounds make the "finest weaving and will hold the fly."

These compounds are based on the best practical experience and the best materials used in their manufacture.



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nts K. W

Attached to this paper will found a progress report of Mr. Murwhich will be printed with my papers in the minutes, and it explains the whole organization and intention.

Of this board, Professor Lester P. Breckenridge of Yale is chairman. and the various interests connected purchased power is used? with this investigation are represented as follows: Mangus W. Alex-Board, Edward G. Buckland, vice-president, New York, New Haven & Hartford Railroad, Charles L. Edgar of the Boston Edison Company, representing the National Electric Light Association, Abraham T. Hardin, auxxiliary plant? vice-president, New York Central After all, it is a question of con-Railraod; Herbert Hoover, represervation of coal, it is a part or can James H. McGraw, president, Mc-call you blessed. Graw Hill Company, Incorporated, representing the Technical Press; John H. Pardee of New York, representing the American Electric Rail-

tional Electric Light Association. The progress thus far made war-rants the belief that the report will completed by June 30, 1921

ing the mining industry, and Mat-thew S. Sloan of the Brooklyn Edi-

son Company, representing the Na-

Association; Henry Cleveland Perkins of Washington, represent-

What happens to the North At-lantic Seaboard country? What happens to the South Atlantic and Gulf States? It is coming, and just as sure as we are here today the same will come to our country

You might have thought that the

two pounds of coal per hour was be too small for H. P. hour. I am more fully convinced it is not. I will challenge any here to prove it is. It appears to me the following questions would be of interest to the engineers of the association:

How is the best way to maintain low cost of coal for a plant when

For an auxiliary plant what boiler do you recommend?

ander of Boston, representing the How many engineers have had National Industrial Conference steam circulation taken out and fan replaced?

How man yengineers have had fans removed and steam circulation

What is the best boiler for an

senting the mining industry, Wilbe applied to the story of the talliam Kelley, Lt. Col. U. S. A.; Elisha ents, and to the man who is able to Lee, vice-president, Pennsylvania conserve and make two blades of Railroad; Dr. Arthur D. Little of grass grow where one grew before Boston, representing the elect re- is a benefactor to his race, and gen-chemical and by-products industries, eration to follow will rise up and

Ottawa was chosen as the capital of Canada by Queen Victoria back in

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ANNUAL CAPACITY 2,000,000 TONS



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Gas, Steam and Domestic Coal Foundry and Furnace Coke



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Standard Size of the South

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Sizings

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Agents.

S. C. Thomas and C. C. Clark Spartanburg, S. C.

The chief engineer of a large powerplant once said that exposed flanges on steam lines should not be covered, giving the following reasons:



1st.—That the economy secured was slight.
2nd.—That the flanges were bound to leak and the flange covering would be destroyed in making repairs.
Our engineer replied:
1st.—That the heat unit loss from uncovered flanges was much in excess of pipe losses for the same area.
2nd.—That the flange covering would reduce flange leaks many percent.
Within a week the Mellon Institute of Industrial Research submitted a table showing uncovered flange heat losses, and said losses show much in excess of our engineer's thoughts.
Steam users should cover every foot of heat radiating surface with \$5% Magnesia.
We represent Ehret Magnesia Mfg. Co., Valley Forge, Pa.
GENERAL EQUIPMENT COMPANY

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(Continued from Page 40)
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Howard, Juhn H., Asst. Supt., Lanett
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Markett, J. S., Alasata Bryans,
Markett, J. S., Alasata Trust Co. Bide,
Markett, J. S., Alasata Bryans,
Markett, J. S.

Yarn Drying Machinery

Cold air system simple, effective, inexpensive; leaves yarn in beautiful condition; also on hot air system, latest type out, where great capacity is needed for worsteds, knitting yarns and cotton yarns.

Dyeing Machine Sticks

For all makes dyeing machines; made from a new grade of lumber which is far superior to maple; also drying room poles made from same material.

Trucks

For dye houses, finishing rooms, etc.

Portable Iron Horse

For loading and unloading dyeing machines.

Correspondence solicited.

Sample sent free of all kinds of machine sticks.

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Tallassee, Ala.
Talor, F. K., Master Mechanic, Watts Mill, Laurens, S. C.
Tanner, O. B., Dist. Mngr., Goulds Mfg. Co., Atanta, Ga.
Terrell, E. A., Pres. and Troas., Terrell Machine Co., Charlotte, N. C.
Terrell, G. J., Overseer Weaving, Tallassee Mills, Tallassee, Ga.
Thomas, Ben C., Mngr., The Shuttle, La-Grange, Ga.
Thomas, Ben C., Mngr., The Shuttle, La-Grange, Ga.
Thomas, S. C., Salesman, Seydel Mfg. Co., Jersey City, N. J.
Thomason, C. B., Salesman, Ashworth Bros., Inc., Charlotte, N. C.
Thompson, J. T., Spinner, Oakland Mill, Newberry, S. C.
Thompson, J. T., Spinner, Oakland Mill, Newberry, S. C.
Todd, A. J., Carder, Unity Cotton Mill, LaGrange, Ga.
Tousignant, David, Genl. Supt., Langley, Aiken & Seminole Mills, Bath, S. C.
Underwood, W. L., Overseer Weaving, Shawmut Mill, Shawmut, Ala.
Upchurch, C. L., Supt., Lauderdale Mill, Meridian, Miss.
Upchurch, S. V., Pres., Atlanta, Ga.
Vaushan, C. C., Salesman, Atlanta Textile Machinery Co., Atlanta, Ga.
Vaushan, C. C., Salesman, Ingersoll-Rand Co., Atlanta, Ga.
Vaushan, W. A., Office Mgr., A. B. Carter Mill Supblies, Greenwide, S. C.
Watls, W. K., Overseer Spinning, Greenwood, S. C.
Watls, W. K., Overseer Spinning, Greenwood, S. C.
Walls, W. K., Overseer Spinning, Greenwood, S. C.
Walls, J. S., West Point Mfg. Co., Shawmut, Ala.
Wallas, J. S., West Point Mfg. Co., Shawmut, J. J. V. J. Unity Cotton Mills, Lagrange, Ga.
Wurdlaw, G. M. Unity Cotton Mills, Lagrange, Ga.
Wurdlaw, G. M. Unity Cotton Mills, Lagrange, Ga.
Wurdlaw, G. M. Unity Cotton Mills, C. Shawmut, Ala.
Wardlaw, G. M. Unity Cotton Mills, C. Shawmut, Ala.
Wardlaw, G. M. Unity Cotton Mills, Lagrange, Ga.
Wurdlaw, G. M. Unity Cotton Mills, Lagrange, Ga.

Williams, W. B., Overseer Weaving, Am. Spinning Co., Greenville, S. C. sign shortly.

Thursday, May 19, 1921.

Smith, A. E., Overseer Spinning, Easley Cotton Mill, No. 1, Easley, S. C. Smith, B. T., Overseer Spinning, Newman Cotton Mill, Nownan, Ga. Smith, Cooper, Night Asst. Supt., West Point Mfg. Co., Shawmut, Ala. Smith, Hampton, So. Mgr., Steel Hedd: Afg. Co., Greenville, S. C. Smith, Milton G., Salesman, Wm. Firth and T. B. Woods Sons Co., Greenville, S. C. Smith, Milton G., Salesman, Wm. Firth and T. B. Woods Sons Co., Greenville, S. C. Smith, Milton G., Salesman, Wm. Firth and T. B. Woods Sons Co., Greenville, S. C. Smith, M. E., Supt., Easley Cotton Mill, Shamiston, Ala. Wils, Anniston, Ala. Wils, Anniston,

used the ball bearing warper measuring roll recommend it very highly. One superintendent states: "We find that we average not over 1½

pounds of waste to the set."

Another says: "Using ball bearing measuring rolls we get an average of about 11/2 pounds of waste to a set. Before we got three pounds."

Cotton Consumed During April,

Washington, May 14.—Cotton consumed during April amounted 408,-882 bales of lint and 48,096 bales of linters, compared with 566,914 bales of lint and 30,397 bales of linters in April a year ago, the census bureau announced today

Cotton on hand April 30, in consuming establishments, was 1,316,015 bales of lint and 212,815 of linters, compared with 1,811,527 of lint and 288,842 of linters a year ago, and in public storage and at compresses, 5,028,631 bales of lint and 302,408 of linters, compared with 2,978,158 of lint and 395,129 of linters a year ago.

Imports during April were 18,731, compared with 69,357 in April last

Exports during April were 319,933 bales of lint and 4,748 bales of linters, compared with 546,125 of lint and 6,158 of linters in April a year

Wallace, D. H., Sou, Rep., Keever Starch
Co., Birmingham, Ala.

Waller, J. D., Unity Cotton Mills, LaGrange, Ga.

Walls, J. S., West Point Mfg. Co., Shawmut. Ala.

Wardlaw, C. M., Unity Cotton Mills, LaGrange, Ga.

Warner, John L. Paymaster, Lardett Cotton Mills, Lanett, Ala.

Warren, C. H., Service Dept., Draper
Corp., Atlanta, Ga.

Webber, Ralph, Sunt., Hawthorn Spinning
Mills, Clover, S. C.
West, T. P., Salesman, Carolina Supply
Co., Greenville, S. C.
Wheeler, R. S., Supt., Crystal Springs
Bleachery, Chickamauga, Ga.
White, J. N., Master Mechanic, Piedmont Mills, Egan, Ga.

Whitley, I. A., Lancaster Cotton Mills,
Lancaster, S. C.
Whitley, E. W., Salesman, Moloney Belting Co., Norfolk Va.
Wirgins, Chas, Overseer Carding, Greenwood Cotton Mills, Grenwood, S. C.

ers, compared with 546,125 of lint
and 6,158 of linters in April a year
ago.

Cotton spindles active during
April numbered 32,535,725, compared
with 34,358,668 in April last year.

Statistics for cotton growing states
were:

Consumed during April 248,653
bales, compared with 316,787 in April
last year.

On hand April 30, in consuming
establishments 598,023 bales, compared with 969,824 a year ago, and in
public storage and at compresses 4,548,849 bales, compared with 2,653,228 a year ago.

Cotton spindles active during
with 34,358,668 in April last year.

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last year.

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Cotton spindles active during
twin 34,358,668 in April last year.

Consume

Shawmut, Ala.

Wirgins, Chas, Overseer Carding, Greenwood Cotton Mills, Grenwood, S. C.

Williams, J. M., Supt., Winnsboro Mills, Winnsboro, S. C.

Williams, Smith, Salesman, The Bahnson cers have quit the force to be married, and others are expected to re-

Starch



—and these stars have a meaning

They signify the different grades in which Thin Boiling Eagle Starch is offered to the textile industry.

Being the pioneers in the manufacture of Thin Boiling Starches we are gratified at the widespread recognition they have received.

Be sure to select the grade best suited to your work. Our knowledge and experience is at your service.

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"Keystone" Roving Cans and Boxes—Indeed "Peerless" "Hartford Jewel" Belting—Certainly a Gem.

"National" Hydraulic and Steam Guages-"International" as well.

"Aries" Roller Sheep Leather-Smooth as a glove.

"Wear Well" Leather Packings-True to their name.

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IF YOUR SPINNING IS NOT PERFECT, WE CAN IMPROVE IT

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C.D. TAYLOR, Gaffney, S. C. C. D. PEASELEY, Charlotte, N. C. SOUTHERN REPRESENTATIVES:

Value of Night School.

The following little piece of poetry was read by G. L. Gaulin, a student of the night school at Revolution Mills, Greensboro, N. C., at the clos-ing exercises of the class:

Before coming here I expected, To be called on for a spech, But if I did not have it written, It's a goal I could not reach,

I can not make a speech, As I'm bashful anyway. So I will present in poetry, The things I have to say.

And if I get by with this, I will consider my time well spent, For without this piece of paper, I wouldn't be worth a cent.

At our last commencement, I was called on for a talk, But when I raised to my feet, I found I could hardly walk.

My knees began to tremble, My voice grew kind'er thin. I was scared so bad, I didn't know where to begin.

I would like to thank Mr. Heiss, For the good work he has done, For if we all did our part right, Half the battle is won.

The problem looked hard sometimes, But we would always try, And the little that we learned, Money could not buy.

This night school is all right, It will increase your power to earn, You will think so, too, when I tell you the things we learned.

Put our class in a desert, Nothing but sand in sight, We could figure out a cotton mill, And start it off all right.

Brain would be our machinery. The problems we have not forgotten, Give us a pencil and piece of paper, And we wouldn't need any cotton.

Imagination would be our capital, The pen would be our power. We wouldn't need any operatives, Production would come in a shower.

It's hard to tell what we could do, When put to the test, We could take this mill and clothe the world. You can just imagine the rest.

Mr. Heiss, he stuck right to us, The problems he worked with ease, Mr. Heiss, again I thank you. May our friendship never cease.

I would like to thank the state, Revolution Cotton Mills, too. And then a few more words, And then I think I'm through.

When the days begin to grow cold, And the leaves begin to fall, Mr. Heiss, if you re-start your night school.

I would like to be with you all

Just a word for our visitors, You've heard how they do in Rome, So when you are in our midst, Just make yourselves at home. G. L. GAULDEN April 28, 1921.

The Lancaster Cotton Mills.

Laneaster, S. C.

F. Gordon CobbSu
B. L. Still, Nos. 1 and 3 Asst. Sunt.
J. O. EdwardsCarder
J. P. Doster, F. V. Adams, J. A. Graig
Second Hands Carding
G. C. BrigmanSpinner
R. P. Barton, L. L. Alewine, F. V.
Puckett2d Hands Spinning
B. C. Baker. Tieing and Drawing-in
J. G. Brown, No. 1; L. F. Curry, No.
2 Weaver
S. H. Hardin, No. 1; I. A. Whitley,
No. 22d Hand Weaving
J. W. Mahaffey Cloth Room
Habel ThreatShipping Clerk
L. G. DobsonOutside Foreman
O. J. Whitehead Master Mechanic
B. Funderburk Cotton Grader

Edna Cotton Mills.

Reidsville, N. C.

ACCRECATE ARROY A CO.
John F. ScottSupt.
Paul B. ScottAsst. Supt.
W. D. ThornburgCarder
Pink Mitchell2nd Hand Carding
S. T. PettySpinner
W. S. Black2nd Hand Spinning
Willie PicklesSlasher
Will PettigrewWarper
C. M. Harker
John Adkins2d Hand Weaving
Frank WalkerLoom Fixer
Tom Thacke Loom Fixer
John OakleyLoom Fixer
D. C. WilliamsLoom Fixer
R. B. RhoadsCloth Room
Rilley HallShipping Clerk
Rilley Hall Outside Foreman
A. W. Way Master Mechanic
W. R. BarnesRoller Man

The Missing Blush.

He told the shy maid of his love. The color left her cheeks; But on the shoulder of his coat It showed for several weeks.

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Howard Bros. Mfg. Co.

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Manufacturers of

CARD CLOTHING Cylinder Fillets Doffer Fillets Stripper Fillets Burnisher Fillets Stripper Sheets **Emery Fillets** Napper Clothing Hand Cards Top Flats Reclothed SteelTwin-wireHeddles All Sizes and Nos. Wire

Card Clothing Mounting Machines Traverse and Roller Grinders all accessory supplies for the Cards

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Greenville, S. C.

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A leen Mills A American Spi Amer. Yarn & A derson Cotton A lington Cotton A cade Cotton A cade Cotton A row Mills A row Mills A row Spi A row Mills		49	59
AnAmerican Spi	nning Co		300
Amer. Yarn & l	Proc. Co	109	125
Adjuston Cotton	Mills	250	285
Aragon Cotton 1	Mills (S. C.)		245
Arcade Cotton 1	Mills		115
Acrow Mills		125	140
Augusta Factor	(1) 0	40	51 105
Beaumont Mfg.	Co	225	240
Blion Cotton M Baumont Mfg. Blbb Mfg. Co			110
Broad River Mi	118	150	175
Brogon Mills Brown Mfg. Co. Clara Mfg. Co.		275	80
Chra Mfg. Co		100	111
Clifton Mfg. C	0		93
Cabarrus Cotton	Mills	170	
Clifton Mfg. C Cabarrus Cotton Chadwick-Hoski \$25)	ins Co. (F	ar	10
Chadwick-Hoski Chiquola Mfg. Calhoun Mills Cannon Mfg. Co Clover Mills Cash Mills	ns Co., pfd.		100
Chiquola Mfg.	Co		265
Calhoun Mills			250
Cannon Mig. Co		185	115
Cash Mills			30
Cimax Spinning Crescent Spinning Columbus Mfg.	g Co	110	120
Crescent Spinni	ng Co	70	75
Consolidated To	Co. (Ga.)	90	201
Converse. D. E	. Co.	20	8
Dacotah Cotton	Mills	430	
Columbus Mfg. Consolidated Te Converse, D. E Dacotah Cotton Dixon Mills		100	4.0
Drayton Mills		60	101
Dresden Cotton	Mills	215	25
Dunean Mills _			101
Dunean Mills, p	fd		81
Durham Hosier	y, prd.	24	9:
Eastern Mfg. C	n	85	3:
Eastside Mfg. (lo	35	6
Eagle & Pheni	k, Ga	130	18
Enrd Mig. Co.	Co (Co)	110	194
Erwin Cotton	Mills Co.	300	120 30
Erwin Cot. Mill	s Co., pfd	102	10
Flint Mfg. Co.		200	25
Galfney Mig. Co.	0,	175	7
Clobe Yarn Mil	ls. N. C.	64	7
Grace Cotton A	fill Co		7
Gray Mig. Co.			39
Dresden Cotton Dunean Mills - Easten Mig Co. Easte & Phenii Efird Mfg Co. Enterprise Mfg. Erwin Cotton . Erwin Cotton . Erwin Cotton . Colibb Yarn Mill Grace Cotton . Gray Mfg. Co. Glenwood Cott Guck Mills . Greenwood Cott	on Mills		12 9
Greenwood Cat	ton Mils	185	_
Greenwood Cot Grendel Mills		130	15
Grendel Mills Hamrick Mills Hanes, P. H. K Hanes, P. H. I Hillside Cotton Imperial Yarn Inman Mills	Litation Co.	10	16
Hanes P H I	initing Co.	fd 97	10
Hillside Cotton	Mills, Ga	250	-
Imperial Yarn	Mill, N. C		16
Inman Mills	n W(11)	75	8 25
Jennings Cotto	II MIN	215	27
Judson Mills Judson Mills, King, Jno. P. Lancaster Cott Limestone Mill	ofd	83	9
King, Jno. P.	Mfg. Co	145	19
Limestone Mill	on Mills	ZZ5	16
Lola Mfg. Co.	9	115	12
Locke Cotton 1 Laurens. Cotton Majestic Mfg. Marlboro Cotto Mills Mill	Mills Co	102	. 12
Laurens. Cotto	n Mil's	95	10
Marlhero Cotto	n Mills	48	15 5
Mills Mill			30
Monarch Mills,	S. C	105	11
Myere Mill	CO	75	20
Mortle Mills		115	13
National Yarn	Mill	125	15
Marlboro Cotto Mulls Mill Mollohom Milg. Mollohom Milg. Myers Mill Myers Mill Myers Mill Myers Mill Myers Mill National Yarn Newberry Cott Mills Or Cotton Mill Oscola Mills Parolet Milg. Parolet Mig. C Pezer Mig. C Pezer Mig. C Pezer Mig. C Penola Cotton Pos. F. W. M Pensett Mills Ranlo Mig. C Rx Spinning	on Mills	200	18
Norcott Mills	Co.	250	
Or Cotton Mil	ls	73	1
Os cola Mills			25 15 15
Parelet Min			1:
Parolet Mfg. C	lo. pfd.	91	11
Pe zer Mfg. Co		105	11
Pidmont Mfg.	Co., S. C.	105	11 2
Pos F W M	for Co	90	1
Ponsett Mills			1
Ranlo Mfg. Co		99	1
R Spinning	CO	0.0	1:
Ridge Mills	Co., pia	70	
Ri erside Mills	(par \$12.50	0) 6	
R verside and	Dan River_	270	3
Rechyface Spi	nning Comp	any 73	
Rayne-Houser	Mfg. Co.	70	
S xon Mills _			1
S miro e Cotto	on Mills Co.	95	1
iey Mig. C	o., Ga	110	. 1
Sterling Spinn	ing Co	70	
perior Yarn	Mills	80	
way Mills	(par \$25)	20	
Rox Spinning Rdige Mills Rucrside Mills Rucrside and Reckyface Spi Rdyne-Houser Sexon Mills Simino e Cotte Siley Mfg. Cotte S	Mille let	ord 91	
Laion-Buffalo Union-Buffalo Union-Buffalo Victor-Monagh	Mills, 2d p	rd 28	1
Victor-Monagh	an Co	71	1

Victor-Monaghan Co., pfd 98	100
Victory Yarn Mills Co 75	85
Ware Shoals Mfg. Co	190
Watts Mills	110
Watts Mills, 1st pfd	87
Winget Yarn Mills Co 72	76
Wiscassett Mills Co215	
Williamston Mills 200	250
Woodside Cotton Mills115	118
Woodside Cotton Mills, pfd 69	70
Woodruff Cotton Mills	300

A. M. Law & Co.

SPARTANBURG, S. C. BROKERS

Dealers in Mill Stocks and other

Southern Securities.

SOUTHERN COTTON MILL STOCKS

For Week Ending May 16, 192	
Abbeville Cotton Mills American Spinning Co. Anderson Cotton Mills, com. Aragon Mills Arcade Cotton Mills 200 Arcadia Mills Arcadia Mills 200 Augusta Factory, Ga. 40 Avondale Mills, Ala. 500 Banna Mills	Asked
American Spinning Co	105
Anderson Cotton Mills com	71
Aragon Mills200	250
Arcade Cotton Mills	115
Arcadia Mills200	
Arrivinght Mills200	E 0
Avondale Mids Ala 500	90
Banna Mills 500 Banna Mills Co. 225 Belton Cotton Mills - Brogon Mills	125
Beaumont Mfg. Co25	
Belton Cotton Mills	115
Brogon Mills	7.6
Channa Mills	250
Chiquola Mills com	300 275
Brogon Mills Calhoun Mills Chesnee Mills Chiquola Mills, com. Chiquola Mills, pfd. Clifton Mfg. Co. Clinton Cotton Mills Columbus Mfg. Co., Ga. Cowpens Mills	73
Clifton Mfg. Co 90	73 97
Clinton Cotton Mills200.	-
Columbus Mfg. Co., Ga165	175
Cowpens Mills	80
D. E. Converse Co	85 240
Darlington Mfg. Co.	155
Drayton Mills 60	72
Darlington Mils. 60 Drayton Mills, com. 60 Dunean Mills, com. 76 Eagle & Phenix Mills, Ga. 120 Enterprise Mfg. Co., Ga. 85 Exposition Cotton Mills, Ga.300 Gainesville C. Mills, Ga., com. 100 Gaffrey Mfg. Co. 65 Gl. pwood Mills 100	105
Dunean Mills, pfd76	86
Eagle & Phenix Mills, Ga120	-
Exposition Cotton Mills Ca 300	
Gainesville C. Mills Ga. com 100	200
Gaffrey Mfg. Co. 65 Gl nwood Mills 100 Gluck Mills	75
Gl nwood Mills100	encom.
Gluck Mills	90
Grariteville Mfg. Co. 150 Greenwood Cetton Mills 200 Greendel Mills 100 Hamrick Mills	200
Grendel Mills 100	175
Hamrick Mids	160
Hartsville Cotton Mil s305	-
Henrietta Mills, N. C	350
Hermitage Mills100	
Inman Mills 73	85
International Mills com' (nar	90
Inman Mills 73 Inman Mills, ptd. 81 International Mills, com.: (par \$50) 38	
International Mills, com. (par \$50) International Mills, com. (par \$50) Internat. Mills, com. (par \$50) 40 Jackson Mills Judson Mills Judson Mills Judson Mills Judson Mills Lancaster Cotton Mills Lancaster Cotton Mills Laurens Cotton Mills Laurens Cotton Mills Laurens Cotton Mills Marion Mfg. Co., N. C. 120 Marlboro Mills Mariboro Mills Massachusetts Mills, Ga. 145 Mills Mfg. Co. 175 Mollohon Mills Norris Cotton Mills Oconee Mills, com. 200 Orr Cotton Mills, 70 Pacolet Mfg. Co. 125 Pacolet Mfg. Co. pfd. 93 Panola Mills Pelham Mills Pelbar Mfg. Co. 100	43
Jackson Mills	325
Judson Mills25	275
Wing John P Meg Co Co 145	
Lancaster Cotton Mills 235	
Laurens Cotton Mills 80	85
Limestone Cotton Mills	160
Marion Mfg. Co., N. C120	135
Mariboro Milis48	51
Milla Mfg Co 175	150 250
Mollohon Mfg. Co.	200
Monarch Mills100	125
Newberry Cotton Mills	190
Ninety Six Mills150	_
Norris Cotton Mills	190
Orn Cotton Mills 70	80
Pacolet Mfg. Co. 125	30
Pacolet Mfg. Co., pfd 93	96
Panola Mills	200
Panola Mills — — — — — — — — — — — — Pelzer Mfg. Co100	100
Pelzer Mfg. Co100	10000000000000000000000000000000000000
Piedmont Mfg. Co115	170 125
Pelzer Mfg. Co. 100 Pickens Cotton Mills. — Piedmont Mfg. Co. 115 Poe, F. W. Mfg. Co. — Poinsett Mills	115
Poinsett Mills	95
Kiverside Mins, Com. (par	
812.00)	8
Saxon Mills	100
Spartan Mills108	55 116
Toxaway Mills, com. (par \$25) 20	22
	22 230
Union-Buffalo Mills, com	40
Urion-Buffalo Mills, 1st pfd. 73	77
Union-Buffalo Mills, 2d pfd. 29 Victor-Monaghan Co., com. 72	35
Tucapau Mills Union-Buffalo Mills, com Urion-Buffalo Mills, 1st pfd 73 Union-Buffalo Mills, 2d pfd 29 Victor-Monaghan Co., com 72 Victor-Monaghan Co., pfd 97 Ware Shoals Mfg. Co	76 101
Ware Shoals Mfg. Co.	200
Watts Mills, com.	110
Watts Mills, com. ————————————————————————————————————	80
Ware Shoais Mrg. Co. — Watts Mills, com. — Watts Mills, lst pfd. — Watts Mills, 2d Pfd. — Whitney Mfg. Co. — Williamston Mills 200	9
Williamston Wills	200
Williamston Mills200	300
Woodside Cotton Mills, com. 115	120
Wo dside Cotton Mills, pfd	71

W. S. Gray Cotton Mills____100

Chattanooga Boiler & Tank Co.

Tanks, Towers and Tanks and Standpipes for Water Supply and Sprinkler Systems. Tanks for storage of acids and other liquids. Smoke Stacks, Breechens and Specials. Tanks for all purposes which any reader of this article may have.

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TENNESSEE



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U. S. Ring Traveler Co.

159 Aborn Street, PROVIDENCE, R. I. AMOS M. BOWEN, Treaspres

Wm. P. VAUGHAN, Southern Representative GREENVILLE, S. C. P. O. Box 792

U. S. Ring Travelers are uniformly tempered which insures even-running spinning. They are also correct as to weight and circles. Quality guaranteed.

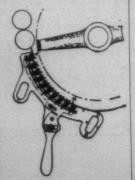
Watson Loom Motors

Fully enclosed, solid housing and end brackets. Grit and dust proof ball bearings.

The many designs of WATSON motors make possible the selection of equipment to meet the particular requirements for any service. Write for bulletin 402.



High Point Machine Works, Inc. High Point, N.C. Distributers WATSON Motor



Less Waste — Cleaner Yarns

COMPETITION IS NOW STRONG, and we cannot impress upon you too keenly to adopt our ADJUSTABLE PIN GRIDS, which will enable you to manufacture stronger and cleaner yarns, with smallest percentage of waste. Send for large list that have already adopted

Atherton Pin Grid Bar Company L. D. ARMSTRONG, President GREENVILLE, S. C. PROVIDENCE, R. I.

GREENVILLE TEXTILE SUPPLY CO.

Greenville, S. C.

Textile and Electrical Distributors Chapman Ball Bearings

Get More Daylight Inside

Dixielite reflects more light inside your work-rooms than any other mill-white made. It is a pure-rich white that will not chip, crack, peel or turn yellow with age. It comes in gloss, semi-gloss and flat finishes.

D.xielite is the perfect white finish for walls and ceilings of mills, factories and warehouses.

Write for booklet, "Keeping in the Spotlight,"

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Paint and Varnish Makers Boston, Mass.

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DIXIELITE

"Shallow Men Believe in Luck; Strong Men Believe in Cause & Effect"

(Emerson)

There is no magic to their success, it can come only as the result of an earnest desire to progress, plus carefully selected equipment.

One of the causes of the high cost of production is excessive consumption of fuel.

The basic construction of States Sectional Grates is "Cause and Effect." Result-20% saved in coal consumption and 50% increased steam efficiency.

Today's prices are pre-war prices.

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Hill, Clark & Company

COTTON MILL STOCKS A SPECIALTY

41 S Church St., Charlotte, N. C.

BONDS



Bobbins Skewers Clearer Rolls and Dogwood Cones

JORDAN MFG CO.,

Monticello, Ga.

Research Work in Texas Mills.

(Continued from Page 20.)

In our own case, when we cut out the intermediate pickers we reduced our doubling from 1,152 to 288. Did you ever stop to think how much more uniform these extra doubling must make your work, to say nothing of the effect of the ex-tra evener motion on the intermediate picker.

We find in handling low grade cotton that it is very difficult to hold our weights even throughout the mill, there being so much varia-tion in the amount of foreign matter and short fiber knocked out in the cleaning processes. In order to reduce our variation to a minimum we have resorted to the following: We allow the usual one-half pound variation each way, mark all heavy laps one color and light laps another, and have our cards marked to correspond. The card cans are also painted differently. When we go to the first drawing we have as many heavy cans as there are light ones.

To equalize the variation in weight of sliver caused by stripping, there is a regular schedule for stripping. One line is stripped at a time, and in going through the first time all odd cards are stripped. Then after all odd ones have been cleaned Then the even ones are stripped the same way, beginning at the first row, and not starting another row until the first one is complete. We strip three times a day, and have the schedule so arranged that the stripping is spread out evenly throughout the spread out evenly throughout the day. This sounds like a lot of trouble, but it has not proven so with us, at least not enough to necessitate another man. When you consider that the sliver is 40 per cent lighter immediately after stripping, than just before stripping, it is quite evident that it is worth while going to some trouble to overcome this prolific cause of bad running spinning rooms. Of course, we let end run down after stripping, fully a minute before putting it up. This eliminates some of the very lightest stock, but not enough of it.

It is no news to any of you when I say that the laps should be run as light as possible, and the docers as as possible to keep up. spite of this fact, just to save labor cost, we find a great many card rooms speeded up to where they can stop off on Saturday morning, leaving the rest of the mill running. Are they really making any saving?

The drawing process always comes in for its share of the general cuss-We have found that very much hetter work can be had if we keep the drawing speed down to a minimum. In fact, all card room speeds should be reduced to such an extent that it is necessary to keep the belt on the tight pulley all the time, to keep up with the spinning room.

Some have tried one process drawing and report that just as good work can be obtained as with two, ents that volatilize and are lost I can not believe that it is possible when cooked for a long time. At the to get as even work when the extra risk of precipitating a heated disdoubling at the drawing is lost. If cussion, I want to advance the opin doubling at the drawing is lost. If losing these doublings does not hurt ion that there is more depending the running of the work, then there upon the quality of the starch used, can be but one conclusion. There than there is in the quality of the was something wrong with the proc-compound. I have made rather exess cut out, such as failure to keep haustive tests of various starches

rolls clean, wrong roll setting wrong speed. Two processes drawing are better than one, three would be still better for fin numbers. We tried drawing out in sets, that is, starte all cans full and when they began to run out change all at the san time. Theoretically-that was but practically it won't do. The is too much difference in one ya of sliver taken from a full can ar that of one yard taken from ne the bottom. If you don't believe just try it.

We were troubled consideral with gouts in our warp yarns, can ed by blowing off frames at regul intervals with compressed air running on coarse numbers and low grade cotton the frames get pretty dirty. We finally adopted the scheme of having the warp frames blown off constantly, that is, as fast as one round was made another was started. In this way enough fly did not accumulate to cause gouts. A good vacuum cleaning system for the entire mill would be a big improvement over compressed air

We have made several tests on our warp yarns, which range from 6 to 13, to determine the best twist to give maximum breaking strength. To our great surprise we never found a single instance where we gained strength by adding more than standard warp twist, and in almost every case we gained strength by reducing from two to three teeth. These tests were made on cotton, averaging between strict low middling and low middling ,and about 1"

One of the most interesting bits of research work done in Texas recently is that which Mr. S. J. Files, suerintendent of the Itasca Cotton Manufacturing Company, has done on builder attachments for filling wind frames. He has worked out an attachment which automatically resulates the number of teeth taken up on ratchet gear, in such a manner that if fills the lower portion of the bobbin to the same diameter as the upper part. His attachment will put on from 20 to 30 per cent more y on an ordinary Draper bobbin than is put on in the usual way. It isn necessary to point out the many a vantages the larger amount of yar on a bibbin has to both the sp ning room and weave room. Tattachment in no way interfer with the running of the work, a there is no necessity for a larg spinning ring or shuttle.

Some of our Texas mills found that they get very much b ter sizing results by first mix their starch in cold water for ab-20 minutes ,then turn on ste gradually and cook 30 minutes, th add compound and finish cooki need cooking; it is the starch th requires a thorough cooking before being turned into size box. F quently compounds contain ingre

rtunately it is hard to determine ne sizing qualities of a sample of arch in a laboratory. You can find cent of moisture, per cent arch, per cent foreign indication and make a viccosity test, but when ou have all these you do not know going remarks that I believe in will get on a good per every superintendent working out ent and get a good weaving warp he weave room. At the same time he should watch the quality of ach new shipment of starch close-Starch seems to deteriorate with ge, particularly if stored in a damp It is better to buy in smaller mantities and keep fresh. That which is on hand in the warehouse hould be kept covered with oloth or waterproof paper.
We have recently begun using a

blank form for keeping a record of size making in addition to the regular form used in weighing beams and calculating per cent of size in each set. On this form we have inches of water in/kettle, pounds starch and pounds compound used, time started cooking, time stopped cooking, time turned size on. We find this a great help in getting uniformity of percentage. Before we started this we sometimes would get 6 per cent on one set and likely 14 per cent on the next. This would mean a variation of about 5 per cent on our cloth weight, which is enough to prevent its being baled. The keeping of this record is of a great assistance to the conscientious worker, who really wants to follow in- the first features of this greater structions and makes it easier to stitution to receive attention. check up on the careless man as

There are of course a great many other causes of variation in per cent size going on yarn, such as variation of depth of size in box, which is overcome by circulating system; variation in age of size, corrected by cooking smaller quantities at a time; condition of blankets, speed at which machine is operated, weight squeeze rolls and temperature of cylinders. It is worth while to endeavor to keep all of these as near constant as possible.

the weave room our experiments have been limited almost en-irely to different kinds of supplies, uch as different types of cneck traps, pickers and lubricants. I hink you will all agree with me that he best check strap is the most eco-We are getting away from luid oil in the weave room, both for oks and drive shafting.

f supplies be sure to have a book or the purpose of entering date and oom numbers on which supply was When you care to look it ip to make comparison you will not have to rely on a treacherous mem-

nd compounds, an deven in suppos- speed of the looms is not to be overlly same grade of starch made by looked. This speed should be deter-ne same company there is some-mined largely by character of work, mes wide variation in quality. Un-width of looms, skill of weavers and width of looms, skill of weavers and fixers, and last but not least the uniformity of speed. I am thoroughly convinced that more production is lost by over-speeding than by under-

his own salvation as much as he ntil you have actually tried it in can, there are many problems that are hard for us to solve for ourselves. When we undertake to make test there are so many variables we are rarely ever sure that the results are accurate. It is impossible in the mills to control accurately the character of cotton used from day to day, the temperature, the humidity and the human element is a va-riable that is particularly hard to control in most mills. Besides none of us really have the time to carry on properly experimental. work Therefore, I think we should all get behind the move that has been started to establish a textile experiment station, and lend it all the assistance we possibly can, so that when business conditions justify it we can have a station fully equipped to make any kind of a test we may want. A place we can go to get reliable information on any problem we may encounter.

Every mill man in Georgia should subscribe liberally to the fund now being raised for a Greater Georgia When this fund is raised, it will be, for Tech has never failed, scientific research should be one of the first features of this great in-French Textile School should be enlarged and equipped so that all such variables as temperature and humidity can be accurately controlled. All kinds of testing machines should be installed, in addition to all the most modern fextile machinery on the market. Then money should not be spared in employing the best minds the textxile industry affords to plan and carry on the hundreds of experiments that need to be made under just such conditions.

National" Niagara Blue HW and "National" Niagara Blue HW Conc.

This is one of the most important of the recent additions to the list of National's products, and for convenience of the dyer is offered in two

concentrations.

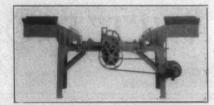
It will be found of particular value for dyeing cotton in all stages of manufacture, and is also useful In making tests on various kinds for dyeing mixtures of cotton and

"National" Niagara Blue HW possesses satisfactory levelling and covering properties, including superior fastness to water, for which erason it is preferable to other types for dyeing blues of heavy shade on cot-When a loom fixer gets an order ton fabrics of various kinds inclueoverseer number of loom for which cotton backings for furniture and it is intended, and the supply room bookbinder's cloth. It is likewise keeper should enter in his book the useful for deeing jute, straw and the supply room bookbinder's cloth. keeper should enter in his book the useful for dyeing jute, straw and date and loom number. In this way chip braids, artificial silks, etc. Owwe know whether certain looms are ing to its peculiar property of dye-wearing out too many shuttles as ing vegetable fibres at reduced temperatures, it is serviceable as a In considering the factors that go "speck dye," and may be applied in to the making of good weaving, the the fulling mill,



We Have Started Back Up

Business is Better. It's Improving Every Day



Every price reduction has brought out every price reduction has brought out new buyers who have waited for prices to drop. They bought. This furnished to those from whom they bought the money to buy new goods or new raw material. This in turn made business for the manufacturer, the wholesaler and for the manufacturer, the wholesaler and the jobber.

Four of the largest industries in America, each leaders in their group, announced price reductions during the month of April. They set the pace, others must, of necessity, follow.

Today, it takes better goods, better prices and better salesmanship to bring business "back to normal."

However, the American business men and salesmen are equal to the task. T is the cause of the spirit of optimism.

We took the toboggan, reached bottom, and have started back up.

We have all had our trials, troubles and tribulations the past six months. But these have only made us the stronger to do the work necessary to be successful in the future.

We Have Started Back Up

We Have Just Recently Acquired the "KLEANOL" BOBBIN STRIPPING MACHINE

Terrell Machine Co.. Inc. CHARLOTTE, N. C.

...... Second Hand Spinning

UNIVERSAL WINDING COMPANY BOSTON



Winding machines for single and ply yarns, cotton, woolen, worsted and silk. Write for circular describing the NEW WIND DOUBLER, also the No. 80 for winding SUPERCONES.

CHARLOTTE OFFICE 804 Realty Building FREDERICK JACKSON

ATLANTA OFFICE 1121 Candler Bldg. WINTHROP S. WARREN

-Agents-

Superintendents and Overseers.

We wish to obtain a complete list of the superintendents and overseers of every cotton mill in the South. Please fill in the blank below and send it to us. We would also be glad to have you include any recent changes in overseers and superintendents.

		192
Name of	Mill	,
Tomas		

													 								.S	ec	01	nd	F	Iai	nd	(Cardi	ng

IMMEDIATE SHIPMENT

Hydrosulphite

Vat Colors and Indigo

Charlotte

San Francisco

DRAKE CORPORATION

"Warp Dressing Service Improves Weaving"

NORFOLK - -**VIRGINIA**

됐으면서 보면하다면요. 그는 사람들이 되었다면 보면 보면 하면 보면 하면 보면 하면 보면 되었다면 하는 것이다. 그런 사람들이 되었다면 하는 것이다면 하는데 얼마나 되었다면 하는데 보다 되었다면 하다.	
War	per
Wea	ver
Second Hand Weav	ing
Loom F	xer
Loom F	xer
Loom F	xer

OUR SPINNING RINGS--SINGLE OR PLANGE

Start Essiest, Run Smoothest, Wear Longest!

PAWTUCKET SPINNING RING CO.

CENTRAL FALLS, R. I.

JANUARY Clark's Directory of Sou. Textile Mills PRICE \$2.00

Compound Co. Inc.

MORELAND and WITHERSPOON,

SPARTANBURG, S. C.

Manufacturers of Spartan Compounds, Tallows and Gums

Knit Goods

Philadelphia-The jobbing trade as been making things hum for mill bers in brushed wool and silk gents during the last few days. (any hosiery buyers now are in the fany hosiery buyers now are in the active buying of fall lines in the market. A few weeks ago the first the active buying of fall lines in the mestion asked was, "What is the past few weeks.

It seems that a real impetus has the meaning of knitand the order is reversed.

Can I have a few cases for imediate delivery?" is neard frequently by mill men, who ay that they have of late been ore new buyers in the market for ilk hosiery than at any time in pany months. Those who are forunate enough to have merchandise or immediate shipment are trying o take care of their regular cusomers.

Immediate delivery requested by so many buyers lead many selling agents to believe that stock in reail stores is about depleted. production costs and now that the shelves are cleared, restocking is necessary

Many of the larger hosiery mills are now equipping their machines or installing new model machines with a device for making the fashion seam and fashion marks. It is said that the product of this mechanism is very similar in appearance to the full fashioned stocking. That these refinements are in demand by the more particular buyers seems to be indicated by the fact that many of the larger mills have instaled a number of the machines.

The appearance of these fashion seams and marks, buyers say, is convincing proof, to the average woman shopper that the hose in question is a full fashioned article, and as the price is also lower than on full fashioned, they are meeting with a ready sale.

Many shades of brown are being bought; cordovan seems to be more in favor, but the last few days have itnessed a change, with the more delicate shades of tan and Russian salf becoming more popular. The shoe manufacturers are considered n a large way responsible for the demand for many shades in brown, s, during the present season, there as been a determined effort by the hoe men to create a variety of lyles and colors, with the intention selling more shoes. Hosiery mills ave been quick to grasp the situaon and capitalize it, by making ose in the sevevral shades to match hoes. The result is that a much arger amount of business has been ooked by the hosiery people. This nethod adopted by manufacturers o foster a desire for the novel among the buying public, when the staple articles are not being bought, is an old story, but the shoe and hosiery people say it never fails.

Outerwear Sales Good.

Mill representatives are enthusias-

tic over the reception given the newer numbers of knitted outerwear they have brought out for the coming fall and winter seasons. Job- Commerce.

Perhaps the lateness of the season has had something to do with

been given to the wearing of knitted articles by the extensive cama question paign conducted by the national association. Heavy buying by jobbers who have placed early orders, now is being followed up by substantial re-orders, and those jobbers who covered the retail trade have been received.

Orders in most instances been large in view of the fact that at the end of last season there were large numbers of sweaters on hand were made up at the high war-time cost.

The most popular article for fall longed sales conducted by retailers wear, at present as indicated by have moved a large quantity of the present buying, is the brushed wool hosiery produced at former high scarf with belt and pockets. The scarfs are available in a number of color combinations, and the prices, as compared with last years, are about one-half.

The sale of knitted capes up to the present time has only been fair. Whether the demand will increase later in the season is a question to which manufacturers are giving their attention. The sale of capes for sport wear has been good but little can be said about volume sales for the fall season.

Tuxedo sweaters and bathing suits are big sellers just at present. The bulk of reorders for knit goods has been for these two articles

Our Export Business.

The problem of finding markets for American products is becoming more serious every day. We consume normally only about one-half the cotton we produce, and it fol-lows that the ability of other countries to take the surplus at a fair price is a vital factor in the pros-perity of our Southern States. From July 1, 1920, to the end of February, 1921, cotton exports from this country aggregated 3,741,000 bales, against 4,968,000 bales in the corresponding period of 1919-1920 and 7,-125,000 in the corresponding period of 1912-1913. In the past year cotton has declined from about 40 cents to about 11 cents per pound. The exports have not fallen off because the world did not want our cotton, but because the trade in cotton goods had fallen off everywhere.—George E. Roberts, in Review of Reviews.

Retailers Being Forced to Liquidate.

"The most active retail stores in any city are those that are featuring staple fabrics and garments at prices fully reflecting the drastic reductions made by first and second hands. The others will be forced to liquidate and the forcing may come hefore July 1." The foregoing was clipped from a letter received from a salesman on the road.-Journal of

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Maximum Production Minimum Cost of Upkeep Unexcelled Quality of Work

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THE GREATEST IMPROVEMENT MADE IN COT-TON SPINNING IN QUARTER OF A CENTURY

The Richards-Hinds Light Running Rolls Over 1,250,000 Spindles Equipped to Date

Guaranteed Claims

Cockley Yarn Preventor Extra Strength of Yarn

Less Waste Greater Production

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All machine builders are agents and will quote prices for new work. Also for prices and particulars write to

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which appeals to the experienced eye of the buyer of white goods is produced by using Marston's Bleachers Blue. Costs no more than the "just as good" and will give the results desired

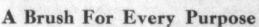
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Baltimore

Cotton Goods

New York-Good business in print August, and in some instances S cloths was put through during the tember deliveries have been book past week. Several large printers on very desirable goods, Gray gowere said to be among the buyers, markets continue firm and trade nast week The extent of the operations was a of moderate proportions but mo fer had sold, in all kinds of gray goods, about 40,000 pieces, and an-other story was that 8,000,000 yards

The print cloth market is doubtly gaining in strength steadily, and opinions were heard that another advance of a quarter-cent a yard within the next 10 days would not be at all surprising. The big factors, it is argued, are in a posi-tion where they find it advisable to lay down orders for part of their prospective requirements for the next few months, which fact, it is thought, will assure steady business, and the maintenance of the price levels already reached.

Sellers are very optimistic and are not anxious to sell far ahead. confident that they will obtain more for their goods by waiting.

The market on most 36-inch sheeting construction continues to strengthen, with good business still heard in bag and export goods. The understanding is that considerable export business is being placed right The bag numbers are very

A ten per cent price revision in one of the leading lines of wide sheetings was more than some competitors anticipated but it has pleased the jobbing house buyers a great deal, especially those who goods on memorandum and those who have yet to buy. Pillow tubings are being sold ahead as far as

matter of wide guesses, several givinclusive of general lines than it ing their opinion that much of the has been recently. Definite intalk was exaggerated. On the other proveyment is seen in the demand hand, there was talk that one cenfor small lots of shoe drills, bog goods, auto supply materials, and other fabrics wanted for general manufacturing purposes. The slow had been disposed of in certain quar-conditions in building trades are ters. Just what credence should be said to be accountable for a moder-placed in these reports, none would ate trade only in awning stripes, shade cloths, etc.

Additional quantities of brown sheeting were sold for shipment to China, Red Sea, and the Levant. A small amount of brown goods business has been done with some South American countries. Print cloths and brown sheets have been in better demand and some price advances havev been paid. Ginghams in small checks are very much wanted and wide sheetings have been sold ahead for three months by some of the large producers. Pillow tubings, sheets and pillow cases, and some other staple domestics continue firm. The wash goods business is spotty and converters are still liquidating their spring stocks.

Prices current are as follows:
Print cloths, 28-inch, 64x64s, 4%
cents; 64x60s, 4% cents; 38%-inch
64x64%s, 7% cents; brown sheetings,
Southern standards, 9% cents; tickings, 8-ounce, 17 cents; denims, 2.20s, 17 cents; staple ginghams, 12 cents; dress ginghams, 15a17 cents; print, 11 cents.

SAVE YOUR WASTE PAPER Bale It-We Buy It, CAROLINA JUNK & HIDE CO. Box 98 Phone 74

Charlotte, N. C.



LOOM HARNESSES

GARLAND MFG. CO., SACO, ME.



The Yarn Market

Philadelphia-More business has en coming from knitters and eavers in the yarn trades. The ins in combed yarn demand have en more noticeable than in carded arns, although some knitters have ought into August and September the past week.

Some of the knitting numbers are noted higher and there has been a rther revision in Southern combed arn prices. Carded yarns for the veaving trades have showed little rice change.

Attention has frequently been calld to the fact that spinners and disributors of cotton yarns are without any uniform selling policy and that an unusual degree of irregularity in prices is the result. Yarn sellers blame this on the fact that their customers have, in most cases been unable to form any definite plans of their own, in spite of all that has been said about stabilization in this line or that.

Wire covering yarns are selling better, according to local dealers' re ports, with some substantial lots of linged varns in coarse numbers be ing sold for delivery through May June and July, principally to Eastern buyers. It is said that this inclination to cover for severa months ahead is becoming more marked in this line. In other direc-tions, there has been little change in volume of demand or inquiry, but in the case of a few counts, there have been small advances in price.

The average day's work, at present, for a yarn house equipped to handle a representative range of business, is illustrated by a day's sales reported by one factor, as fol-Ten bales of 40s-2 Southern carded skeins at 35 cents a pound; 10 bales of a better grade of 40s-2 at 37 cents; 20 bales of 20s-2 carded skeins at 23 cents and a similar quantity at 24 cents; 25,000 pounds 22s single carded cones, tinged, at cents; 50,000 pounds of 14s cones at 23 cents; and 10,000 pounds of 8s-3 tinged tubes at 15 cents a pound.

The above prices are about in line with the price level which has ex-isted for weeks for yarns of similar grade. In other sales reported, 24s-2 arded skeins and warps have, apparently, stiffede a half to a cent a pound, bringing 26 cents, while 24s and 26s frame spun cones have moved up a fraction and 27 cents s frequently reported for 26s carded skeins and warps.

On an inquiry for 25,000 pounds of 20s-2 carded skeins, a local yarn man sent wires to a dozen spinners, asking quotations. The only mill replied is asking 25 cents a d for this yarn. The reason pound for this yarn. The reason advanced for this sudden aloofness on the part of these particular spinners is that they have become interested in the negotiations, concerning the big inquiry for yarns for Rou-mania, which calls for single skeins up to 26s.

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1						

Announcing

The Summer Season of 1921 for Asheville, N. C. U. S. A.

You are cordially invited to spend your Summer vacation in Asheville, in the "Heart of the Blue Ridge" mountains, in the "Land of the Sky."

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As job dyers we color over a million pounds of cotton and of worsted a year. Let us serve you. Our representative will be glad of an opportunity to see you and fully explain all details.

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Want Department

If you are needing men for any cosition or have second hand ma-chinery, etc., to sell the want col-umns of the Southern Textile Bulletin affords the best medium for advertising the fact.

Salesman Wanted.

Large manufacturing corporatoion has opening for highgrade, energetic salesman to cover territory located in Virginia and North Carolina. Must be familiar with mill supplies. Attractive proposition to man who can qualify. State age and give outline of past and present employment. Address care Southern Textile Bulletin.

Want good man to take charge of spooling, warping, slashing and drawing-in in mill just starting up new weave room. Excellent opportunity. Address S. C. M., care Southern Textile Bulletin.

Baseball Pitcher Wanted.

Want to get in touch with a good, clean ball pitcher, that can weave or fix looms and is willing to work and pitch ball. No loafer wanted. Willing to make attractive proposition to right man. Ad-"D," care Southern Textile Bulletin.

For Sale.

A few absolutely new Draper Ball Warper Attachments, complete, for use in connection with beam warpers. Make package 36" x36". Lock Box 459, Gastonia, N. C.

Wanted.

A capable and conscientious machine fixer for Acme Mayo 176 needle half hose, also Ruth Ribbers and Wrights Steady dial loopers. Must be sober, reliable and industrious and able to get production and make the goods satisfactory. Answer with references. Hosiery Mills, care Southern Textile Bulletin

-157-36 in- Model "E" 5 harness Draper Looms in good condition. Address P. O. Box 788 Pawtucket, R. I.

Second Hand.
Wanted — Position as second hand in large mill or overseer carding in small mill, age 36, 18 years' experience in card room. Am at present employed as second hand, but want larger job. Can give best of references. Address Quality and Quantity, care Southern Textile Bulletin.

For Sale.

Complete, thoroughly excellent, small spinning mill equipment, at surprisingly low price. Hunter Machinery Company, Marion, N. C.

Salesman Wanted.

An old established Pennsylvania corporation wants a live wire man to represent them in the South to sell Aniline colors and chemicals. A Southern man with some knowledge of dyeing pre-ferred. Should be over thirtyfive years of age. Give all information and references in first letter. Salesman, care Southern Textile Bulletin.

Second Hand Wanted.

for-carding 15,000 spindle mill in S. C. Man who wants a job. Second, care Southern Textile Bulle-

Position as Engineer.

Want position as engineer or machinist or both. 15 years ex-perience. Address Engineer, care Southern Textile Bulletin.

Ball Pitcher Wanted. for mill team in S. C. to take position with large mill organization. Pitcher, care Southern Textile Bulletin.

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more than 350 Cotton Mills in your section are good customers of ours.

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- Kitson 40" 1 Beater Opener Breaker Lappers.
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 Pettee 40" Cards, 12" Coilers.
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 Howard & Bullough Slubbers, 12x6, 60 Spindles.
 Howard & Bullough Intermediates, 10x5, 90 Spindles.
 Howard & Bullough Roving Frames, 7x3½, 160 Spindles.
 Lowell Spinning Frames, 2" Rings—192 Spindle Frames.

 144—160 Spindle Frames.
 Saco-Lowell Twister, Motor Driven, 100 Sp. 5½" Ga., 4½" Rings.
 Saco-Lowell Twister, Motor Driven, 120 Spindles, 4½" Gauge, 3½
 Rings.
- Saco-Lowel Twister, Motor Driven, 160 Spindles, 31/2" Gauge, 21/2

- Rings.

 1 Saco-Lowel Twister, Motor Driven, 160 Spindles, 3½" Gauge, 2½" Rings.

 6 Whitin Twisters, 264 Spindles, 3¾" Gauge, 2½" Rings.

 15 Fales & Jenks Twisters, 192 Spindles, 3½" Gauge, ½" Rings.

 4 Lowell Twister, 204 Spindles, 3" Gauge, 1½" Rings.

 1 Brownell Twister, Motor Driven, 16 Spindles, 8x4½.

 8 Lowell Camless Winders.

 6 Universal No. 50 Winders for Tubes.

 1 Universal No. 50 Doublers for Tubes.

 2 Lowell Spoolers, 120 Spindles, for 4x6 Spools.

 2 Entwistle 54" Beam Warpers, Creel for 510 ends.

 2 Crompton & Knowles Heavy Tire Fabric Looms, 60" Motor Driven.

 12 Crompton & Knowles Heavy Tire Fabric Looms, 72" Motor Driven.

 12 Crompton & Knowles Heavy Tire Fabric Looms, 72" Motor Driven.

 13 Kirschner Carding Beaters for 40" Kitson Pickers.

 14 Hotorian Spindles.

 187 Draper Automatic Model E 36" Looms, 28 Bobbin Battery.

 22 Draper Automatic Modified Model D Looms 44", Reed Space 49",

 Bobbin Battery, 52", ½" between swords.

 6 Saco Water Power, 8x4, 120 Spindle Speeders.

 16 Marwell & Davol Wooden Fat Top Cards.

 1 Hetherington Drawing Frame, 10x36—5 Deliveries.

 2 City Machine Speeders, 7x3½", 120 Spindles each.

 2 Providence Speeders, 8x4, 126 Spindles, 2¾" Gauge, 1¾" Ring.

 1 Fales & Jenks Twisters, 264 Spindles, 2¾" Gauge, 1¾" Ring.

 New 54" Section Beams, 24" Iron Heads.

 12 Whitin Quillers, 378 Spindles each, 2½" Gauge plus cost of Tailend Friction.

 10 Whitin Combers, 8 Heads each, 12" Lap.

 1 Montford Sliver Lap Machine.

 2 No. 80 Leesona Cone Winders, 12 Spindles each.

 2 Foster Winders Model 12-A—48 Spindles.

 7 Easton & Burnham Spoolers, 80 Spindles, 5" Gauge.

 13 Fales & Jenks Spoolers, 100 Spindles ea. 4x5, 4%" ga., 6" Traverse, Sawyer Spindle.

 Hunter Machinery Company

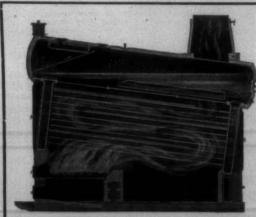
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BARBER - COLMAN

COMPANY

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The fee for joining oud employment reau for three months is \$2.00 which il also cover the cost of carrying a all advertisement for one month. If the applicant is a subscriber to the uthern Textile Bulletin and his subription is paid up to the date of his hing the employment bureau the above e is only \$1.00.

During the three months' membership e send the applicant notices of all vancies in the position which he desires. We do not guarantee to place every an who joins our employment bureau, it we do give them the best service of y employment bureau connected with e Southern Textile Industry.

- ANT position as overseer of carding. Have long experience as overseer, and years of age, can handle any size job. Can furnish best of reference from former employers if desired. Address No. 3061.
- ANT position as master mechanic in large mill using steam or electric power. Can give satisfaction. Best or reference. Address No. 3062.
- WANT position as overseer of carding in North or South Carolina. Have been overseer of carding for some time in two of the large mills in North Caro-lina. Can give reference and come at once. Address No. 3063.
- WANT position as overseer of weaving on plain or fancy goods. Textile grad-uate with 18 years experience, 5 as overseer, can furnish reference, 36 years of age, married. Adderss No. 3064.
- WANT position as superintendent of small plain weaving or yarn mill or overseer of plain weaving. Can furnish good references as to character and ability; married; age 38. Address No. 3065.
- WANT position as overseer of carding and spinning. Long experience and ca-pable of producing results and satis-faction in mill of any size making any numbers of yarns. Can furnish refer-ences if wanted. Address No. 3066:
- WANT position as overseer of weaving in mill making fancy goods. Long experience in weave room and can furnish good reference. Just completed I. C. S. course on fancy weaving and designing. Address No. 3067.
- WANT position as master mechanic. Twenty years experience in some of largest cotton mills in North and South Carolina. Thoroughly competent to take charge of large mill with electric or steam drive. Reference as to character and ability. Address No. 3068.
- ANT position as overseer of carding or spinning in large mill or both in small mill. Have had long experience on all counts of yarn and can give excellent references as to character and ability. Address No. 3069.
- ANT position as superintendent. Special experience in both combed carding and spinning of fine yarns. Good reference. Address No. 3070.
- ANT position as superintendent of small mill or overseer of weave room in large mill. Experienced on ducks osnaburgs, prints, drills, twines, and can give good reference. Now employed. Address No. 3071.
- ANT position as overseer of cardin and spinning in large mill or superin tendent of medium size mill. Can fur nish satisfactory reference as to char acter and ability. Address No. 3072.
- ANT position as superintendent of overseer of carding or spinning. Long varied experience on large range of numbers. Can furnish references. Address No. 3073.
- ANT position as overseer of carding in large mill. Best of references. Have had several years experience, 38 years old. Address No. 3074.
- WANT position as superintendent or carder and spinner in large yarn mill. Long experience and can furnish ex-cellent references. Address No. 3075.
- WANT position as superintendent of either yarn or weaving mill, have had several years experience in both plain and fancy weaving. Am now employed as superintendent in large yarn mill. Good reason for wishing to change. Can furnish reference upon request. Address No. 3076.

- VANT position as overseer of spinning in large mill. Long experience in large mill and would change only for first-class place with good salary. Address No. 3077.
- WANT position as overseer of carding or second hand in large mill. Can give good references as to character and ability. Address No. 3078.
- WANT position as overseer of spinning Long experience on all number of yarn and a good manager of help. Address No. 3079.
- WANT position as superintendent of good mill by man who has had long and varied experience and is considered one among the bost practical men in the business. Would consider large weave room or carding and spinning. Reference if wanted. Address No. 3080.
- WANT position as superintendent of good mill on white or colored work, plain or fancy. Experienced on all kinds of work and have handled two or three good jobs with satisfaction. Address No. 3081.
- WANT position as overseer of large spinning room. Long experience on wide range of yarns. Good references as to character and ability. Address No. 3082.
- WANT position as overseer of weaving in North or South Carolina or Georgia. Have been running weave room for number of years. Experienced on both plain and fancies. Can furnish reference as to character and ability. Address No. 3083.
- WANT position as superintendent of mill by man of good habits and ability to get results. Will go anywhere if right kind of offer is made. Would consider large card room or spinning room. Ad-dress No. 3084.
- WANT position as superintendent of small yarn mill or weaving mill or carder and spinner in medium size mill or overseer spinning in large mill. No less than \$24.00 per week and house rent free considered. Address No. 3085.
- WANT position as superintendent or overseer weaving in large mill on either plain or fancy work, have had experi-ence with both positions and can give good references as to ability and char-acter. Address No. 3086.
- WANT position as superintendent of good yarn mill. Long experience and considered one of best carders in south. Best of reference. Address No. 3087. WANT position as overseer of weaving in North or South Carolina. Have been running weave room for number of years and can furnish reference as to character and ability. Address No. 3088.
- WANT position as engineer and master mechanic in good mill. Would prefer job in South Carolina or Georgia. Long experienc and good reference. Address No. 3089.
- WANT position as overseer of cloth roor or second hand in large cloth room Prefer white goods. Married, 33 year of age, 18 years in mill. 13 years a overseer. Address No. 3090.
- WANT position as overseer of weaving. Experienced on sheetings, drills, chambrays, coverts, plaids, etc. Can handle any size job. Best of reference. Would consider second hand job in large mill. Address No. 3091.
- WANT position as electrician in cotton mill. Have had nine years experience in machine shop, installing motors, caring for switchboards, lights, etc. Can furnish excellent reference. Address No. 3092.
- WANT position as overseer in carding, spinning or any other position in mill. Experienced in all branches of cotton manufacturign. Can report at once as mill where employed for several years has closed down indefinitely. Reference as to character and ability. Address No. 3093.
- WANT position as superintendent or overseer of spinning. Practical mill man with long experience who can get results. Best of reference. Address No. 3094.
- WANT position as master mechanic. Twenty years experience in machine shop and engine room. Ten years as master mechanic. Understand boilers, steam and turbine engines, electric drive and have successfully handled some large plants. Reason for change is lack of schools, churches and conveniences at present location. Best of reference. Address No. 3095.

- ANT position as overseer of weaving anywhere in South. Can furnish refer-ence as to character and ability. Ad-dress No. 3097.
- WANT position as superintendent of yarn or weave mill. Long practical experi-ence and also graduate of Clemson Col-lege. Would accept position as sales-man on good line. Address No. 3098.
- WANT position as superintendent of yarn mill or overseer of large spinning room. Twenty years experience in mill. Ten as superintendent. Good reference. Address No. 3099.
- WANT position as master mechanic Number of years experience in steam plant and machine shop. Now employ ed as master mechanic. Good reference Address No. 3100.
- ANT position as superintendent. Practices mill man of good habits and can furnish best of references from former employers if wanted. Address No. 3101.
- WANT position as superintendent small mill or overseer of carding spinning. Can furnish, references fro present and former employers. A dress No. 3102.
- WANT position as assistant superintendent or overseer of carding and spinning in large mill or superintendent of small mill. Now employed as overseer carding and spinning and formerly superintendent of 7,000-spindle mill. Thirty-five years of age. Reference. Address No. 3103.
- WANT position as salesman of mill sup plies or sizing compounds. Experience mill man. Address No. 3104.
- WANT position as superintendent or overseer of carding and spinning in large cotton mill. Can give best of ref-erence as to character and ability. Ad-dress No. 3105.
- WANT position as overseer of weaving by man experienced on plain and fancy weaves. Can furnish excellent refer-ence as to character and ability. Ad-dress No. 3106.
- WANT position as superintendent overseer of spinning in large mill. years old, married, 13 years as ov seer. Best of reference. Address
- WANT position as superintendent of yarn or weaving mill and can operate successfully any medium size mill. Would not consider less than \$3,000 per year. Address No. 3108.
- WANT position as overseer of carding in large mill. Long experience and best of reference as to character and ability. Address No. 3109.
- WANT position as overseer of weaving or spinning or assistant superintendent. Thirty-three years old, strictly sober and reliable and have a thorough practical experience of mill business and also graduate of I. C. S. Address No. 3110.
- WANT position as second hand or fixer on E or K model looms with lock bat-tery. Experienced and reliable. Address No. 3111.
- WANT position as superintenednt or manager of large mill. Have had experi-ence which will enable me to qualify for big work. Anxious to get opportunity and can furnish reference as to char-acter and ability. Address No. 3112.
- WANT position as superintendent or manager of good cotton mill. Would like to take charge of mill under construction with view of becoming superintendent when finished. Can furnish reference. Address No. 3113.

 WANT position as overseer of spinning,
 - preefrably in Carolinas but will go any where. Now employed but have good reasons for changing; 33 years old married man with family and can fur-nish reference. Address No. 3114.
- WANT position as superintendent, over-seer of carding and spinning or carding in large mill. Long experience as over-seer of carding and spinning and can get results which will please owners of mill. Address No. 3115.

- WANT position as master mechanic in want position as superintendent or good mill. Long and thorough experience and can give satisfaction. Address No. 3096.

 WANT position as superintendent or overseer of carding in large mill. Experienced and can give satisfactory reference as to character and ability. Address No. 3116.
 - WANT position as overseer of weaving. Eight years experience as overseer. Will go anywhere in South and understand the manufacture of sheetings, drills, denims, sanaburgs, checks and stripes on all makes of looms. Address No. 3117.
 - ANT position as superintendent. Thoroughly capable to handle any medium sized mill and record has been without reproach. Can furnish references from all former employers as to ability and character. Address No. 3118.
 - WANT position as master mechanic by man with long experience in all kinds of power and drives in mill work in some of largest plants in North Caro-lina. Thoroughly reliable and compe-tent. Address No. 3119.
 - WANT position as superintendent of yarn mill of about 10,00 0spindles, pref-erably on warp yarn. Long and suc-cessful experience in mill. Address No. 3120.
 - ANT position as superintendent of yarn mill or overseer of carding and spinning in large mill. Best of refer-ence as to character and ability. Ad-dress No. 3121.
 - WANT position as overseer of large card room or carding and spinning. Can fur-nish best of references and get results. Address No. 3122.
 - WANT position as overseer of spinning. Practical man of long and successful experience. Address No. 3123.
 - WANT position as superintendent or agent for yarn or weaving mill, either plain or fancy. Prefer weaving mill. Best of reference. Address No. 3124.
 - WANT position as overseer of weaving.
 Long experince on drills and plain work.
 Best reference from former employers.
 Can report at once. Recently overseer at night, which has been discontinued.
 Address No. 3125.
 - WANT position as superintendent or overseer of carding and spinning, or overseer of carding or spinning in large mill. Reference as to character and ability. Address No. 3126.
 - WANT. position as overseer of weaving in large mill. Experienced on denims and heavy cloths. Best of reference Address No. 3127,
 - WANT position as master mechanic in good mill. Forty years of age, 20 years as mechanic. Thoroughly understand engines, pumps, shop work and welding. No bad habits. Have some mill help in family. Address No. 3128.
 - WANT position as overseer of weaving. Have varied experience and can furnish good reference as to character and ability. Address No. 3129.
 - WANT position as overseer of spinning, twisting or winding. Ten years' experience as overseer. Can furnish best of reference. Thirty-three years old and can go anywhere on short notice. Address No. 3130.
 - WANT position as overseer of carding. Can furnish reference as to character and ability and can get production and keep room in good order with plenty of help. Address No. 3131.
 - WANT position as superintendent of medium size yarn or weaving mill. Ad-dress No. 3132.
 - ANT position as superintendent of weave or large yarn mill in North or South Carolina. Prefer small town. Now superintendent of large yarn mill and giving perfect satisfaction but for good reasons would like to make change. A live wire and well fitted for manager or superintendent. Can furnish A-1 reference from leading manufacturers of South. Address No. 3133.
 - WANT position as overseer of weaving in North or South Carolina. Have been running weave room for number of years and can furnish reference as to character and ability. Address No. 3134.
 - ANT position as superintendent of yarn mill or overseer of carding and spinning or either on large job. Twenty-six years in mill, 14 years as overseer, married, have family, experienced on all numbers and can go anywhere, Address No. 3135. WANT

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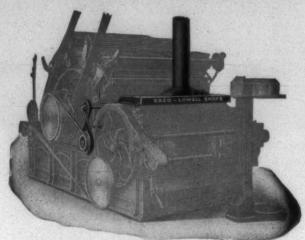
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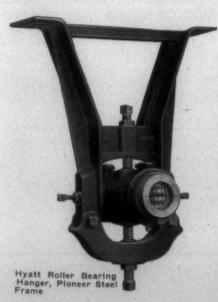
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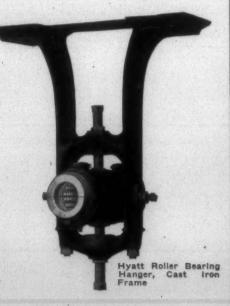


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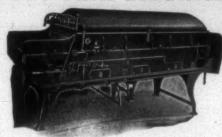
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